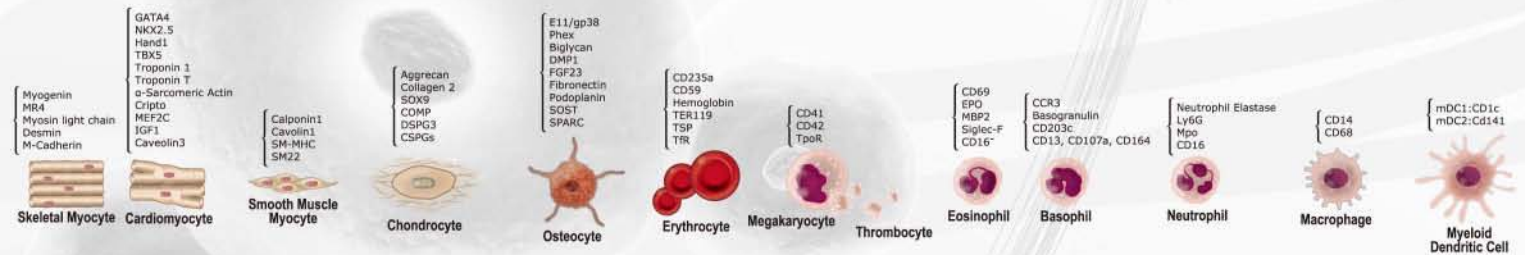


Stem Cell

Antibodies & Research Tools

Quality Antibodies
Quality Results





The Company

GeneTex produces high quality antibodies validated through extensive research, development, and testing. Our staff and researchers have collectively earned a trusted reputation from the research community for the quality and reliability of our antibodies. The secret to our success is the complementation of scientific expertise and production mastery in our state-of-the-art laboratory and animal facility.

Our facility provides large-scale antibody production capabilities, which employ highly specific antigen affinity purification. This has facilitated the establishment of a comprehensive antibody collection covering a wide spectrum of research fields.

Because of GeneTex's extensive experience in antibody manufacturing, we are uniquely able to serve the demands of the scientific community by providing accurate technical support and reliable customer service.



Table of Contents

Stem Cells	02
Induced Pluripotent Stem Cells (iPSCs) ...	03
iPSC factors.....	03
iPSCs Antibody Panel.....	04
Embryonic Stem Cells (ESCs)	05
ESCs surface Markers.....	05
ESCs intracellular Markers	07
Ectodermal Lineage	08
Neural Stem Cells (NSCs)	09
NSCs surface markers	09
NSCs intracellular markers.....	10
Neurogenesis markers.....	11
Gliogenesis markers.....	12
Epidermal stem cell markers.....	13
Mesodermal lineage	14
Mesenchymal Stem Cells (MSCs)	14
MSCs surface markers.....	15
Negative markers of MSCs.....	16
Adipogenesis markers	17
Myogenesis markers.....	18
Chondrogenesis markers	20
Osteogenesis markers	21
Hematopoietic Stem Cells (HSCs)	22
HSCs surface markers	23
HSCs intracellular markers	24
Negative markers of HSCs	24
Hematopoietic markers	25
Endodermal Lineage.....	27
Cancer Stem Cells (CSCs)	29
CSCs surface markers	29
CSCs intracellular markers.....	29

Application Key

ELISA – Enzyme-linked immunosorbent assay
FACS – Fluorescence-activated cell sorting
FuncS – Functional assay
ICC/IF – Immunocytochemistry/ Immunofluorescence
IHC – Immunohistochemistry
IHC-Fr – Immunohistochemistry frozen sections
IHC-P – Immunohistochemistry paraffin-embedded sections
Inhib – Inhibition assay
IP – Immunoprecipitation
Neut – Neutralizing
Puri – Purification
WB – Western blot

Host & Reactivity Key

Ba – Baboon
Cat – Cat
Ch – Chicken
Cham – Chimpanzee
Cow – Cow
Dog – Dog
Gpig – Guinea pig
Gt – Goat
Hm – Hamster
Hu – Human
Hr – Horse
Mk – Monkey
Ms – Mouse
Pig – Pig
Rat – Rat
Rb – Rabbit
Sh – Sheep
Zfish – Zebrafish

Stem Cells

Stem cells are a diverse class of cells that share the ability to self-renew and to differentiate into multiple cell types. There are two main types of stem cells. Embryonic stem cells (ESCs), which are found only in the embryo, can form any cell type present in the body. Adult stem cells (ASCs), in contrast, are already committed to a particular lineage but may be capable of forming multiple cells types within their restricted lineage. ASCs can be found in various tissues throughout the adult body. Among the types of ASCs that have been extensively characterized are neural stem cells (NSCs), mesenchymal stem cells (MSCs) and hematopoietic stem cell (HSCs).

Table of Stem Cell Markers

	ESC	NSC	MSC	HSC	CSC	iPSC	Products on page
ABCG2 (CDw338)	+	+		+	+		05
CD9	+		+	(fat)			06
CD10			+	-			15
CD11b			-				16
CD13			+			-	15
CD24	+	+		-	+		06
CD29 (Integrin b1)	+	+	+				06
CD30	+						06
CD31			-	+			16
CD34			-	+			17
CD38				-			24
CD44			+	(fat)	+	+	12
CD45			-	+			17
CD47					+		29
CD49d (Integrin a4)			+	+			15
CD49e (Integrin a5)			+	+			15
CD49f (Integrin a6)	+	+			+		06
CD59				+			23
CD71			+				15
CD73			+				15
CD81		+					09
CD84				+			23
CD90 (Thy1)			+	+	+		15
CD93				+			23
CD95		+					09

+: Positive -: Negative

	ESC	NSC	MSC	HSC	CSC	iPSC	Products on page
CD105 (Endoglin)			+	+			15
CD106 (VCAM-1)			+	+			15
CD117 (c-Kit)			+	(bone marrow)	+	+	15
			-	(fat)			
CD133	+	+		+	+		-
CD146		+	+				15
CD166			+				15
CXCR4 (CD184)		+		+	+		09
Notch 1		+		+			09
Sca 1 (Ly6A1E)			+	(bone marrow)	+		15
SSEA-1 (CD15)	+	+	+	-			06
SSEA-3	+						06
SSEA-4	+					+	06
SSEA-5	+						06
TIE2				+			23
TRA-1-60	+					+	06
TRA-1-81	+						06
Fli-1 (VEGF-R2)			+	(bone marrow)	+		23
Klf4	+					+	03
Nanog	+					-	03
cMyc	+					+	03
SOX2	+	+				+	10
Lin28	+					+	03
Oct4	+					+	04
Glis1						+	04

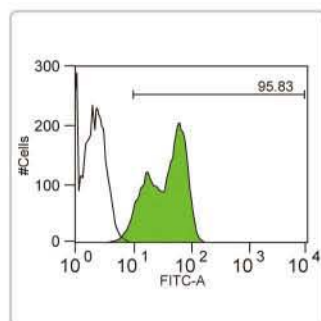
Induced Pluripotent Stem Cells (iPSCs)

OCT3/4, SOX2, c-MYC and KLF4 are key transcription factors expressed in embryonic stem cells that regulate the signaling network essential for maintaining the pluripotent state. Dr. Shinya Yamanaka and colleagues first reported the capacity of these proteins (collectively known as "Yamanaka factors") to reprogram somatic cells into induced pluripotent stem cells (iPSCs). Soon after that, James Thomson's group used OCT3/4, SOX2, NANOG, and LIN28 to generate iPSCs. Notably, however, the use of the proto-oncogene c-MYC was found to increase the tumorigenicity of the resulting iPSCs, thus restricting their potential utility for medical applications. This obstacle was overcome by substituting the transcription factor GLIS1 for c-MYC in the Yamanaka factor set, which resulted in both increased iPSC generation efficiency and improved chimeric mouse survival. This finding represents a potentially major step forward in bringing iPSCs to the clinic.

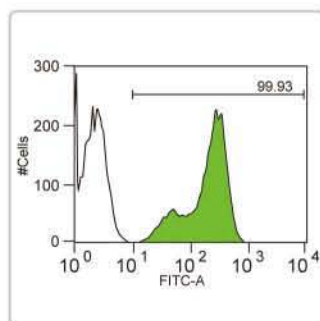
iPSC factors

● Conjugated antibodies available for FACS analysis ● Citation

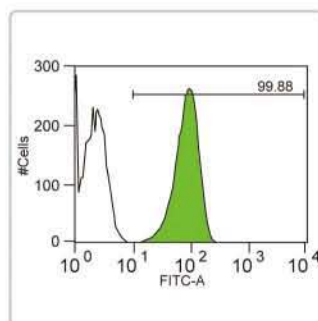
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX628459	c-Myc antibody [GT168]	Ms mAb	Hu	FACS, IHC-P, WB
GTX103436	c-Myc antibody	Rb pAb	Hu, Ms	IP, WB, ChIP assay
● GTX75953	c-Myc antibody [9E10]	Ms mAb	Hu	ELISA, FACS, IHC-Fr, IHC-P, IP, WB
● GTX84066	c-Myc antibody [1A6]	Ms mAb	Hu	FACS, ICC/IF, IHC-P, WB
● GTX20056	c-Myc antibody [9E11]	Ms mAb	Hu, Ms	ELISA, IHC-Fr, IHC-P, IP, WB
GTX101508	KLF4 antibody	Rb pAb	Hu, Ms	FACS, IP, WB
GTX101509	KLF4 antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB
GTX82771	KLF4 antibody [1E6]	Ms mAb	Hu	ELISA, ICC/IF, IHC, IHC-P, WB
GTX82798	KLF4 antibody [1E5]	Ms mAb	Hu	ELISA, ICC/IF, IHC, IHC-P, WB
GTX121923	LIN28 antibody	Rb pAb	Hu, Ms, Pig	FACS, IHC-P, WB
GTX628138	LIN28 antibody [GT717]	Ms mAb	Hu	FACS, ICC/IF, IHC-P, WB
GTX628139	LIN28 antibody [GT1086]	Ms mAb	Hu	FACS, ICC/IF, IHC-P, WB
● GTX100863	NANOG antibody [N3C3]	Rb pAb	Hu, Ms	ELISA, ICC/IF, IP, WB



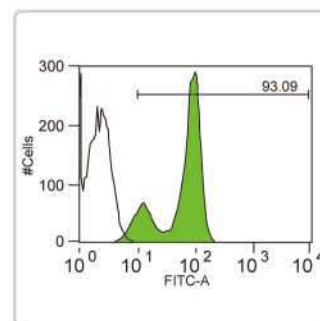
LIN28 antibody [GT717] (GTX628138)
Flow cytometry analysis with LIN28 antibody on human ESCs.



NANOG antibody [GT3312] (GTX627421)
Flow cytometry analysis with NANOG antibody on human ESCs.



Oct4 antibody [GT486] (GTX627419)
Flow cytometry analysis with Oct4 antibody on human ESCs.

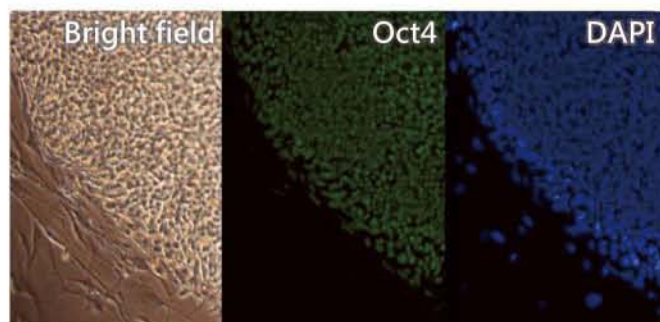


SOX2 antibody [GT1352] (GTX627405)
Flow cytometry analysis with SOX2 antibody on human ESCs.

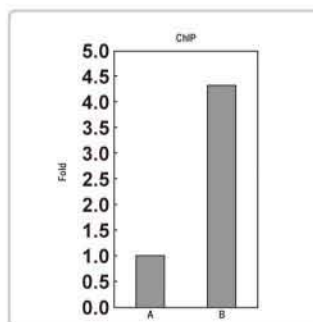
iPSC factors

Conjugated antibodies available for FACS analysis Citation

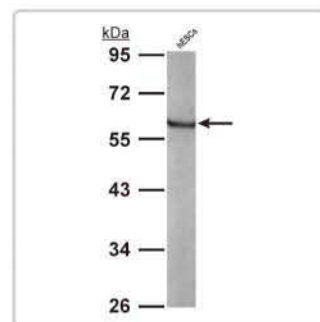
Cat. No.	Product	Host & Clonality	Reactivity	Application
Ⓢ GTX627421	NANOG antibody [GT3312]	Ms mAb	Hu, Ms	FACS, WB
GTX89079	NANOG antibody, C-term	Gt pAb	Hu	ELISA, IHC, IHC-P, WB
Ⓢ GTX101497	Oct4 antibody	Rb pAb	Hu, Ms	FACS, ICC/IF, IHC-P, IP, WB
GTX100622	Oct4 antibody	Rb pAb	Hu, Ms	FACS, ICC/IF, IP, WB
Ⓢ GTX627419	Oct4 antibody [GT486]	Ms mAb	Hu, Ms	FACS, ICC/IF, IHC-P, IP, WB
GTX627423	Oct4 antibody [GT735]	Ms mAb	Hu	FACS, ICC/IF, IP, WB
Ⓢ GTX101507	SOX2 antibody [N1C3]	Rb pAb	Hu, Ms, Rat	FACS, ICC/IF, IHC-P, IP, WB
Ⓢ GTX124477	Sox2 antibody	Rb pAb	Zfsh	IHC-Fr, WB
GTX627405	SOX2 antibody [GT1352]	Ms mAb	Hu, Ms	FACS, ICC/IF, IHC-P, WB
GTX627404	SOX2 antibody [GT1876]	Ms mAb	Hu, Zfsh	FACS, IP, WB
GTX117785	GLIS1 antibody [N3C2], Internal	Rb pAb	Hu	ICC/IF, WB
GTX104841	GLIS1 antibody [C3], C-term	Rb pAb	Hu	WB



Oct4 antibody (GTX100622)
ICC/IF analysis with Oct4 antibody on human ESCs.



c-Myc antibody (GTX103436)
WB analysis with c-Myc antibody on 293T cell extract.



KLF4 antibody (GTX101508)
WB analysis with KLF4 antibody on whole cell lysate of human ESCs.

Representative Citations:

Oct4 antibody [GT486] (GTX627419)
Cell. 2014 Jul 17;158(2):449-61.

NANOG antibody [N3C3] (GTX100863)
Nat Protoc. 2013 Jan;8(1):203-12.

SOX2 antibody [N1C3] (GTX101507)
Stem Cell Res Ther. 2013;4(6):156.

iPSCs Antibody Panel

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX300027	Induced Pluripotent Stem Cells (iPSC) Antibody Panel _1			
	Oct4 antibody	Rb pAb	Hu, Ms	FACS, ICC/IF, IP, WB
	SOX2 antibody [N1C3]	Rb pAb	Hu, Ms, Rat	FACS, ICC/IF, IHC-P, IP, WB
	c-Myc antibody [N1], N-term	Rb pAb	Hu, Ms	FACS, ICC/IF, WB, ChIP assay
	KLF4 antibody	Rb pAb	Hu, Ms	FACS, IP, WB
	NANOG antibody [N3C3]	Rb pAb	Hu, Ms	ELISA, ICC/IF, IP, WB
	LIN28 antibody	Rb pAb	Hu, Ms, Pig	FACS, IHC-P, WB
GTX300062	Induced Pluripotent Stem Cells (iPSC) Antibody Panel _2			
	Oct4 antibody [GT486]	Ms mAb	Hu, Ms	FACS, ICC/IF, IHC-P, IP, WB
	SOX2 antibody [GT1876]	Ms mAb	Hu, Zfsh	FACS, IP, WB
	c-Myc antibody [GT168]	Ms mAb	Hu	FACS, IHC-P, WB
	KLF4 antibody	Rb pAb	Hu, Ms	FACS, IP, WB
	NANOG antibody [GT3312]	Ms mAb	Hu, Ms	FACS, WB
	Mouse IgG antibody (HRP)	Gt pAb	Ms	ELISA, IHC, WB
GTX300029	iPSC Antibody Panel - Yamanaka factor			
	Oct4 antibody	Rb pAb	Hu, Ms	FACS, ICC/IF, IP, WB
	SOX2 antibody [N1C3]	Rb pAb	Hu, Ms, Rat	FACS, ICC/IF, IHC-P, IP, WB
	KLF4 antibody	Rb pAb	Hu, Ms	FACS, IP, WB
	c-Myc antibody [N1], N-term	Rb pAb	Hu, Ms	FACS, ICC/IF, WB, ChIP assay
	SSEA-4 antibody	Ms mAb	Hu, Ms, Chk, Dog, Mk, Rb	FACS, ICC/IF, IHC, IP, WB
Rabbit IgG antibody (HRP)	Gt pAb	Hu, Ms, Rb	Dot, ELISA, WB	

iPSCs Antibody Panel

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX300064	iPSC Antibody Panel - Yamanaka factor-2			
	Oct4 antibody [GT486]	Ms mAb	Hu, Ms	FACS, ICC/IF, IHC-P, IP, WB
	SOX2 antibody [GT1876]	Ms mAb	Hu, Zfsh	FACS, IP, WB
	KLF4 antibody	Rb pAb	Hu, Ms	FACS, IP, WB
	c-Myc antibody [GT168]	Ms mAb	Hu	FACS, IHC-P, WB
GTX300028	Mouse IgG antibody (HRP)	Gt pAb	Ms	ELISA, IHC, WB
	iPSC Antibody Panel -Thomson factor			
	Oct4 antibody	Rb pAb	Hu, Ms	FACS, ICC/IF, IP, WB
	SOX2 antibody [N1C3]	Rb pAb	Hu, Ms, Rat	FACS, ICC/IF, IHC-P, IP, WB
	NANOG antibody [N3C3]	Rb pAb	Hu, Ms	ELISA, ICC/IF, IP, WB
	LIN28 antibody	Rb pAb	Hu, Ms, Pig	FACS, IHC-P, WB
GTX300063	SSEA-4 antibody	Ms mAb	Hu, Ms, Chk, Dog, Mk, Rb	FACS, ICC/IF, IHC, IP, WB
	Rabbit IgG antibody (HRP)	Gt pAb	Hu, Ms, Rb	Dot, ELISA, WB
	iPSC Antibody Panel -Thomson factor-2			
	Oct4 antibody [GT486]	Ms mAb	Hu, Ms	FACS, ICC/IF, IHC-P, IP, WB
	SOX2 antibody [GT1876]	Ms mAb	Hu, Zfsh	FACS, IP, WB
	NANOG antibody [GT3312]	Ms mAb	Hu, Ms	FACS, WB
GTX300063	LIN28 antibody [GT1086]	Ms mAb	Hu	FACS, ICC/IF, IHC-P, WB
	Mouse IgG antibody (HRP)	Gt pAb	Ms	ELISA, IHC, WB

Embryonic Stem Cells (ESCs)

Embryonic stem cells (ESCs) are derived from the inner cell mass of a blastocyst. ESCs are pluripotent cells, meaning they are capable of differentiating into cell types from all three germ layers. For this reason, ESCs are believed to hold great promise for the field of regenerative medicine. The molecular phenotype of ESCs includes the expression of several transcription factors such as Sox2, Oct3/4 and Nanog and cell surface expression of the glycolipids SSEA-3, SSEA-4, TRA-1-60 and TRA-1-81. ESCs are functionally characterized by their ability to form a teratoma, a tumor consisting of cells derived from all three germ layers, when injected into an animal.

















ESCs surface Markers

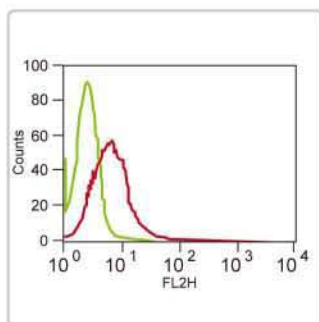
Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX100437	ABCG2 antibody	Rb pAb	Hu, Ms	IHC-P, WB
GTX100436	ABCG2 antibody	Rb pAb	Hu	IHC-P
GTX50793	ABCG2 / CD338 antibody	Rb pAb	Hu, Ms, Rat	WB
GTX23380	BCRP antibody [BXP-21]	Ms mAb	Hu	ICC/IF, IHC-Fr, IHC-P, WB
GTX52515	CCR4 antibody [9G12]	Ms mAb	Hu	FACS
GTX21679	CCR4 antibody	Rb pAb	Ms	ELISA, ICC/IF, WB
GTX21669	CCR4 antibody	Gt pAb	Hu	ELISA, ICC/IF, IHC, IHC-P, WB
GTX100912	CD9 antibody [N2C3]	Rb pAb	Hu, Ms	WB
GTX78260	CD9 antibody [MEM-61]	Ms mAb	Hu	FACS, WB
GTX76184	CD9 antibody [MM2/57]	Ms mAb	Hu, Cow, Mk, Hrs, Rb	Blocking, FACS, IHC-Fr, IHC-P, WB

ESCs surface Markers

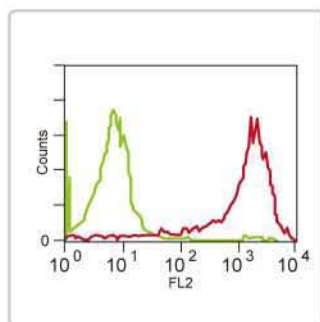
 Conjugated antibodies available for FACS analysis
  Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
 GTX80172	CD9 antibody [EM-04]	Rat mAb	Ms	FACS, ICC/IF, IP, WB
GTX23923	CD9 antibody [IVA50]	Ms mAb	Cow	FACS, IP, WB
GTX81029	CD24 antibody, N-term	Rb pAb	Hu	ELISA, FACS, IHC, IHC-P, WB
 GTX74945	CD24 antibody [SN3]	Ms mAb	Hu	FACS, IHC-Fr
GTX44235	CD24 antibody [91]	Rat mAb	Ms	FACS, IHC-Fr, IP
GTX42225	CD24 antibody [M1/69]	Rat mAb	Ms	FACS
GTX100565	Integrin alpha 6 antibody [N3C2], Internal	Rb pAb	Hu	WB
 GTX19765	Integrin alpha 6 antibody [Go H3]	Rat mAb	Hu, Ms	FACS, IHC, IHC-Fr
 GTX128839	Integrin beta 1 / CD29 antibody	Rb pAb	Hu, Ms, Rat	IHC-P, IP, WB
 GTX112971	Integrin beta 1 / CD29 antibody	Rb pAb	Hu	ICC/IF, IHC-P, WB
  GTX75617	Integrin beta 1 / CD29 antibody [4B7R]	Ms mAb	Hu	FACS, IHC-P, IP
 GTX28238	Integrin beta 1 / CD29 antibody [MEM-101A]	Ms mAb	Hu	FACS, IP, WB
 GTX42117	Integrin beta 1 / CD29 antibody [HM beta 1-1]	Hamster mAb	Ms, Rat	FACS, IP
 GTX73682	CD30 antibody [Ber-H2]	Ms mAb	Ms	IHC, IHC-P, WB-Ag
GTX37452	CD30 antibody	Rb pAb	Hu, Ms, Cow, Dog, Rat, Hrs	ELISA, IHC-P, WB
GTX71958	CD30 antibody [Ber-H2]	Ms mAb	Hu	FACS, IHC-Fr, IHC-P
GTX19712	CD30 antibody [HRS-4]	Ms mAb	Hu	FACS, IHC-P, IP
 GTX75239	CD30 antibody [YMSM 636.4.10]	Rat mAb	Ms	ELISA, FACS
 GTX75046	CD49f antibody [450-30A]	Ms mAb	Hu	FACS, IHC-Fr
GTX41951	CD49D antibody [PS/2]	Rat mAb	Hu, Ms	FACS, IHC-Fr, IP, Functional Assay
 GTX100443	E-cadherin antibody	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB
GTX124178	E-cadherin antibody [N3C2], Internal	Rb pAb	Hu	ICC/IF, WB
GTX629691	E-cadherin antibody [GT477]	Ms mAb	Hu	IP, WB
GTX629692	E-cadherin antibody [GT311]	Ms mAb	Hu	IP, WB
GTX75056	E-Cadherin antibody [6F9]	Ms mAb	Hu	IHC-Fr, WB
 GTX61329	E-Cadherin antibody [EP700Y]	Rb mAb	Hu	FACS, ICC/IF, IHC-P, IP, WB
GTX82753	E-Cadherin antibody [7H12]	Ms mAb	Hu, Ms, Mk	ELISA, FACS, IHC-P, WB
GTX99644	EPC1 antibody	Ms pAb	Hu, Cat	WB
GTX104764	PODXL antibody [C2C3], C-term	Rb pAb	Hu, Ms	ICC/IF, WB
GTX89038	PODXL antibody, C-term	Gt pAb	Hu, Ms, Rat	ELISA, WB
GTX72343	Gp200 antibody [PN-15]	Ms mAb	Hu, Rat	IHC-P, WB
GTX48033	TRA-1-60 antibody	Ms mAb	Hu	FACS, ICC/IF, IHC-P, IP, WB
GTX48034	TRA-1-81 antibody	Ms mAb	Hu	FACS, ICC/IF, IHC-P, IP, WB
GTX37536	CD15 antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC-P, WB
GTX40137	CD15 antibody [28]	Ms mAb	Hu	FACS, IHC-F, IHC-Fr, IP
 GTX48035	SSEA-1 antibody	Ms mAb	Hu, Ms	FACS, ICC/IF, IHC-P, IP, WB
GTX48036	SSEA-3 antibody	Rat mAb	Hu, Ms	FACS, ICC/IF, IHC, IP, WB
GTX48037	SSEA-4 antibody	Ms mAb	Hu, Ms, Chk, Dog, Mk, Rb	FACS, ICC/IF, IHC, IP, WB
 GTX70019	SSEA-5 antibody [8e11]	Ms mAb	Hu	FACS, ICC/IF, IHC



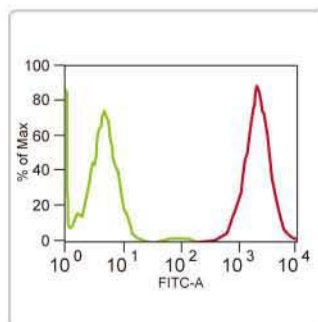
SSEA-3 antibody (GTX48036)

Flow cytometry analysis with SSEA-3 antibody on NCCIT cells.



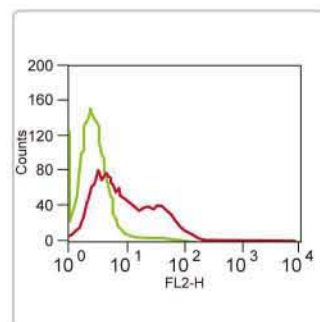
SSEA-4 antibody (GTX48037)

Flow cytometry analysis with SSEA-4 antibody on 2102Ep cells.



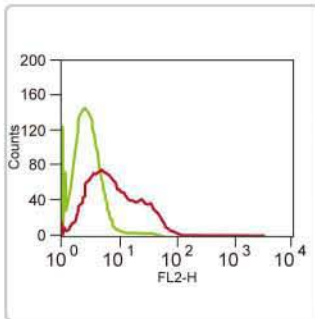
SSEA-5 antibody [8e11] (GTX70019)

Flow cytometry analysis with SSEA-5 antibody on human embryonic stem cells.

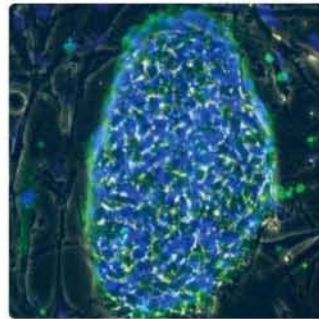


TRA-1-60 antibody (GTX48033)

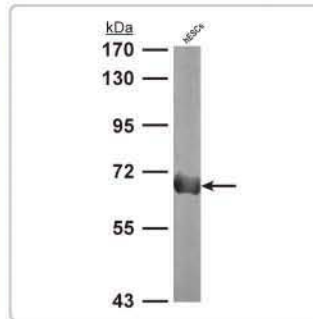
Flow cytometry analysis with TRA-1-60 antibody on NCCIT cells.



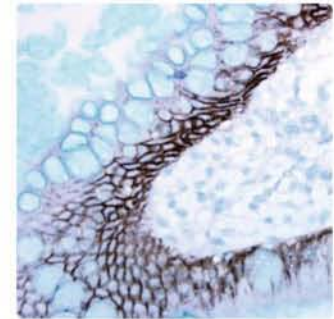
TRA-1-81 antibody (GTX48034)
Flow cytometry analysis with TRA-1-81 antibody on NCCIT cells.



SSEA-4 antibody (GTX48037)
ICC/IF analysis with SSEA-4 on human embryonic stem cells.



PODXL antibody [C2C3], C-term (GTX104764)
WB analysis with PODXL antibody on whole cell lysate of human embryonic stem cells.

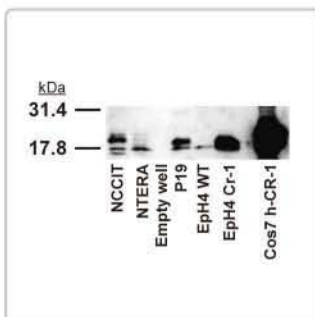


E-cadherin antibody (GTX100443)
ICC/IF analysis with E-cadherin antibody on human ulcerative colitis tissue.

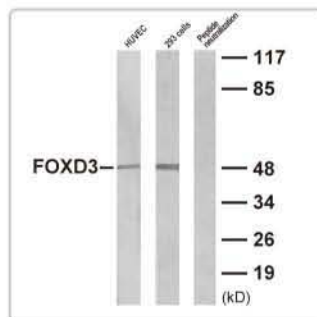
ESCs intracellular Markers

Conjugated antibodies available for FACS analysis Citation

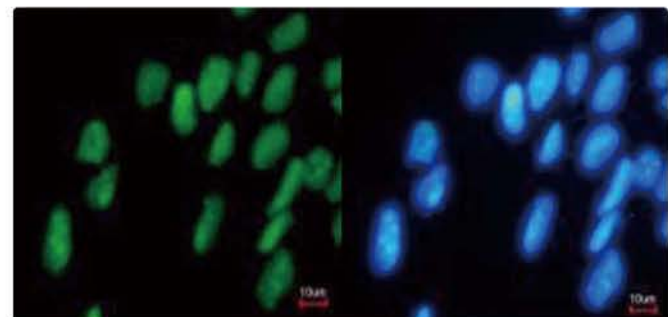
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX48477	Cripto-1 antibody	Rb pAb	Hu	ELISA, IHC, WB
GTX88209	CRIPTO antibody, Internal	Gt pAb	Hu	ELISA, IHC
GTX89499	CFC1 / Cripto-1 antibody, Internal	Gt pAb	Ms	ELISA, IHC-P
GTX118569	DPPA4 antibody [N1C3]	Rb pAb	Hu	ICC/IF, IHC-P, WB
GTX44822	DPPA5 antibody, N-term	Rb pAb	Hu	WB
GTX107090	FBXO15 antibody [N1C1]	Rb pAb	Hu	WB
GTX87777	FOXD3 antibody	Rb pAb	Hu, Ms	ELISA, IHC, IHC-P, WB
GTX80414	FOXD3 antibody [5G9]	Ms mAb	Hu, Ms, Mk	ELISA, WB
GTX100883	GCNF antibody [C1C3]	Rb pAb	Hu	WB
GTX70915	GCNF antibody	Rb pAb	Hu	IHC-P
GTX101582	LEFTY2 antibody	Rb pAb	Hu	IHC-P, WB
GTX63437	Lefty antibody [EPR5444]	Rb mAb	Hu, Ms, Rat	IP, WB
GTX48643	Lefty A antibody [7C5G1H6H10]	Ms mAb	Hu	ELISA, WB
GTX101903	Rex1 antibody [N1C1]	Rb pAb	Hu, Ms	ICC/IF, WB
GTX50841	Rex1 / ZFP42 antibody	Rb pAb	Hu	WB
GTX105193	NR0B1 antibody	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB
GTX89086	DAX1 / NR0B1 antibody, Internal	Gt pAb	Hu	ELISA, WB
GTX111892	FRP 2 antibody [C2C3], C-term	Rb pAb	Hu	ICC/IF, IHC-P, WB
GTX89043	SFRP2 antibody, C-term	Gt pAb	Hu	ELISA, WB
GTX60649	UTF1 antibody [5B6]	Ms mAb	Hu	ELISA, FACS, WB
GTX88180	UTF1 antibody, Internal	Gt pAb	Hu	ELISA, WB
GTX109987	ZIC3 antibody [N3C3]	Rb pAb	Hu	ICC/IF, WB



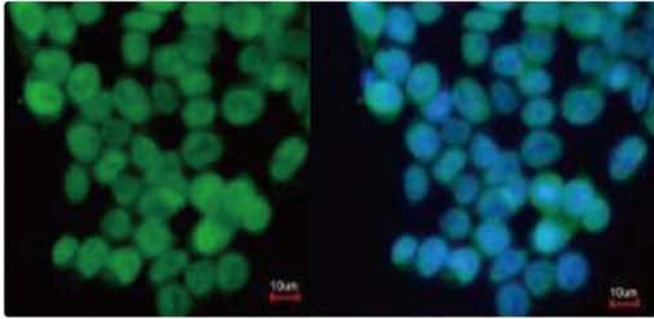
Cripto-1 antibody (GTX48477)
WB analysis with Cripto-1 antibody on whole cell lysates from mouse and human sources.



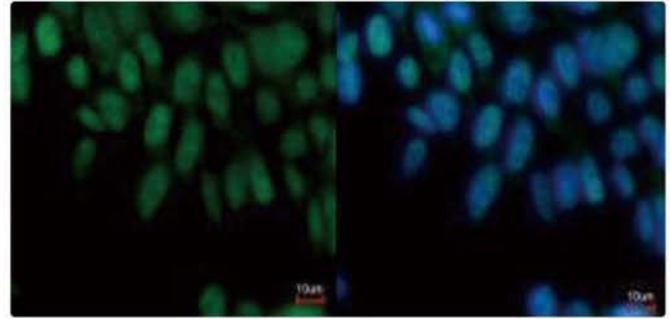
FOXD3 antibody (GTX87777)
WB analysis with FOXD3 antibody on whole cell lysate of HUVEC and 293T cells.



DPPA4 antibody [N1C3] (GTX118569)
ICC/IF analysis with DPPA4 antibody on human ESCs.



Rex1 antibody [N1C1] (GTX101903)
ICC/IF analysis with Rex1 antibody on mouse ESCs.



ZIC3 antibody [N3C3] (GTX109987)
ICC/IF analysis with ZIC3 antibody on human ESCs.

Representative Citations:

Integrin beta 1 / CD29 antibody [4B7R] (GTX75617)
J Clin Immunol. 2010 Nov;30(6):861-71.

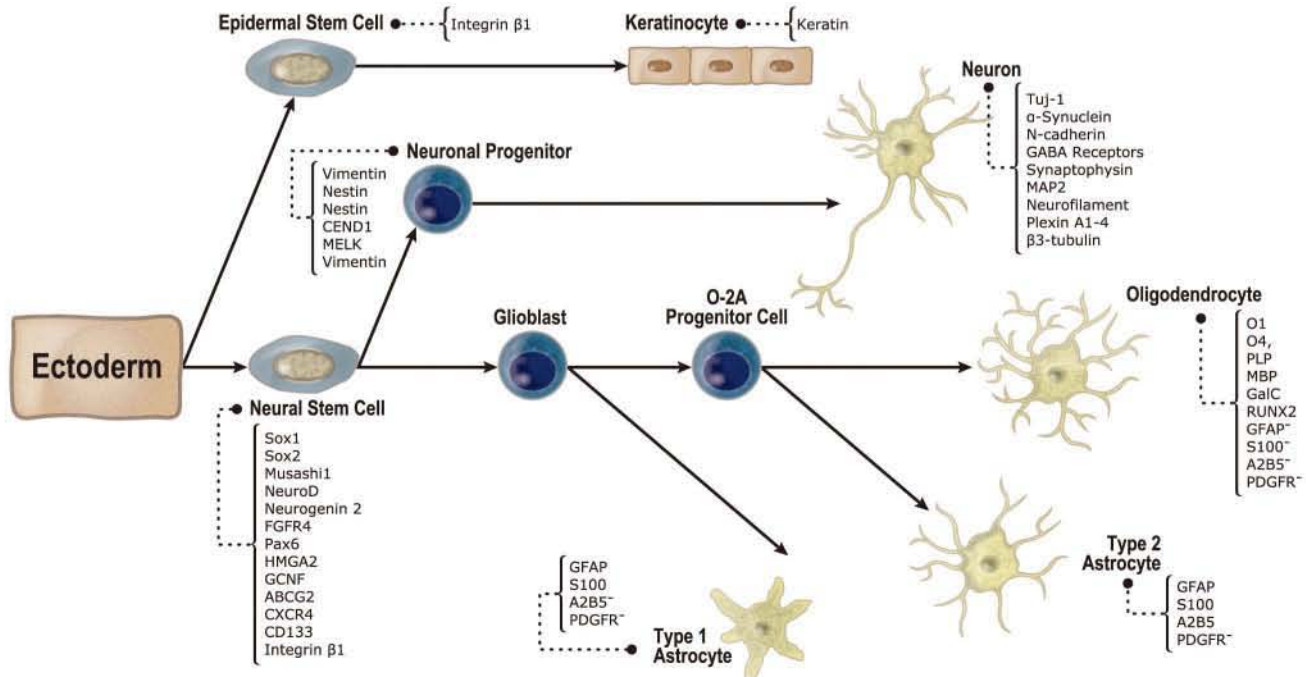
SSEA-1 antibody (GTX48035)
Sci Rep. 2014 May 16;4:5004.

SSEA-5 antibody [8e11] (GTX70019)
Nat Biotechnol. 2011 Aug 14;29(9):829-34.

FBXO15 antibody [N1C1] (GTX107090)
Cell Rep. 2014 Apr 24;7(2):476-87.

Ectodermal Lineage

The ectoderm is the outermost of the three germ layers in the developing vertebrate embryo. Cells committed to the ectodermal lineage give rise to the central nervous system, sensory organs and the epidermis. At least two multipotent stem cell populations, neural stem cells and epidermal stem cells, have been defined within this lineage.



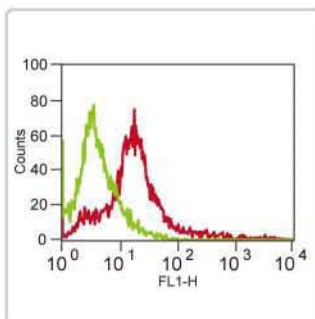
Neural Stem Cells (NSCs)

Neural stem cells (NSCs) are multipotent progenitor cells that have the capacity to self-renew and differentiate into neurons and glial cells. NSCs are derived from the ectoderm of the developing embryo and give rise to the central nervous system. In the adult brain, NSCs can be found in the subventricular zone and the hippocampus. These cells play a critical role in CNS repair and have recently been implicated in memory.

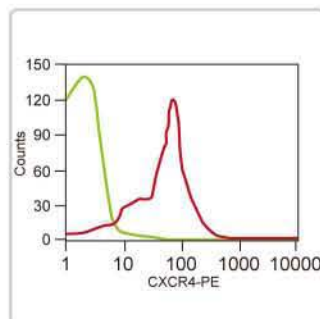
NSCs surface markers

Conjugated antibodies available for FACS analysis Citation

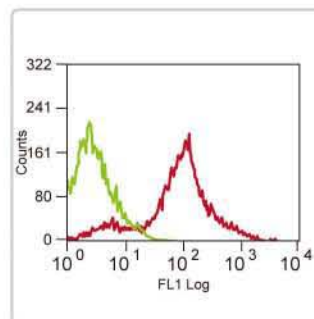
Cat. No.	Product	Host & Clonality	Reactivity	Application
Ⓢ GTX101766	CD81 antibody	Rb pAb	Hu, Ms	IHC-P, WB
GTX81801	CD81 antibody, C-term	Rb pAb	Hu, Ms	ELISA, FACS, IHC, IHC-P, WB
Ⓢ GTX43505	CD81 antibody [1D6]	Ms mAb	Hu, Chmp	ELISA, FACS, ICC/IF, IHC-P, IP, WB
Ⓢ GTX80041	CD81 antibody [M38]	Ms mAb	Hu, Cat, Rb	FACS, ICC/IF, IHC-P, IP, WB, Functional Assay
Ⓢ GTX75432	CD81 antibody [Eat 2]	Hamster mAb	Ms, Rat	ELISA, FACS, IHC-Fr, IP, WB
GTX116024	CD95 antibody [N3C2], Internal	Rb pAb	Hu	WB
Ⓢ GTX13550	CD95 antibody	Rb pAb	Hu, Ms, Cow, Dog, Mk, Rat, Hm, Rb, Shp, Xi	FACS, IHC, WB
Ⓢ GTX13549	CD95 antibody [ZB4]	Ms mAb	Hu	Blocking, FACS, IHC, WB
Ⓢ GTX10460	FAS antibody [DX2]	Ms mAb	Hu	FACS, WB
GTX15285	FAS Ligand antibody	Rb pAb	Hu, Ms, Rat	IHC, IHC-P, WB
GTX10512	Fas Ligand antibody [101624]	Rat mAb	Hu, Ms, Pig, Cat	ELISA, Neut, WB
Ⓢ GTX16104	FAS antibody [H11]	Rat mAb	Hu, Ms, Dog, Cat	FACS, ICC/IF, WB
GTX22074	CXCR4 antibody	Rb pAb	Hu	FACS, IHC, IHC-Fr, IP, WB
GTX27199	CXCR4 antibody	Rb pAb	Ms, Rat	FACS, IM, WB
GTX52677	CXCR4 antibody [7L25]	Ms mAb	Hu	FACS, IHC, Neut
GTX72331	CXCR4 antibody [12G5]	Ms mAb	Hu, Mk, Bb	FACS
GTX10403	CXCR4 antibody [44716.111]	Ms mAb	Hu, Cat	FACS, ICC/IF, IHC, Inhib
GTX21671	CXCR4 antibody	Gt pAb	Hu, Rat	ELISA, IHC-P, WB
Ⓢ GTX28925	NOTCH1 antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC, IHC-P, Neut, WB
GTX23294	NOTCH1 antibody [A6]	Ms mAb	Hu, Ms	FACS, IHC-P
Ⓢ GTX39548	Notch1 antibody [mN1A]	Ms mAb	Hu, Ms	FACS, IHC-Fr, WB
GTX84020	NOTCH1 antibody [4C9]	Ms mAb	Hu	IHC, IHC-P, WB
GTX84019	NOTCH1 antibody [3E12]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB



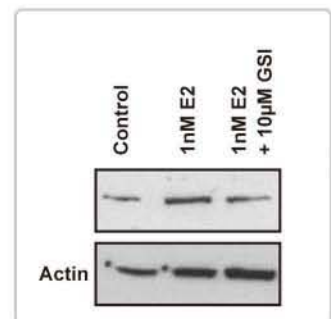
CD81 antibody, C-term (GTX81801)
Flow cytometry analysis with CD81 antibody on 293 cells.



CXCR4 antibody (GTX27199)
Flow cytometry analysis with CXCR4 antibody.



Notch1 antibody [mN1A] (FITC) (GTX43375)
Flow cytometry analysis with Notch1 antibody on mouse thymocytes.

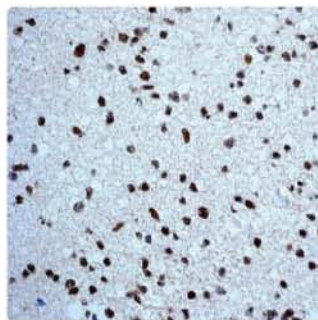


NOTCH1 antibody (GTX28925)
WB analysis with NOTCH1 antibody on whole cell lysate of MCF7 cells treated w/w 17β-estradiol.

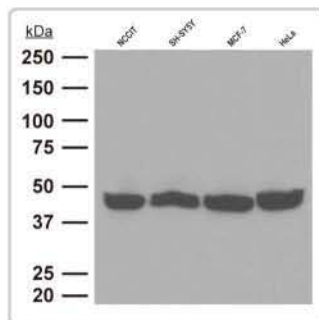
NSCs intracellular markers

Conjugated antibodies available for FACS analysis Citation

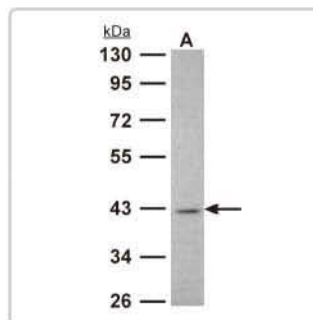
Cat. No.	Product	Host & Clonality	Reactivity	Application
C GTX62974	SOX1 antibody [EPR4766]	Rb mAb	Hu, Ms	FACS, ICC/IF, IHC-P, WB
GTX88890	SOX1 antibody, Internal	Gt pAb	Hu, Ms	ELISA
C GTX101507	SOX2 antibody [N1C3]	Rb pAb	Hu, Ms, Rat	FACS, ICC/IF, IHC-P, IP, WB
C GTX124477	Sox2 antibody	Rb pAb	Zfish	IHC-Fr, WB
GTX627405	SOX2 antibody [GT1352]	Ms mAb	Hu, Ms	FACS, ICC/IF, IHC-P, WB
GTX627404	SOX2 antibody [GT1876]	Ms mAb	Hu, Zfish	FACS, IP, WB
C GTX101540	MSI1 antibody [N3C3]	Rb pAb	Hu, Ms	ICC/IF, WB
GTX78273	Musashi 1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, WB
C GTX39578	Nestin antibody	Rb pAb	Hu, Ms, Cow, Dog, Rat, Gpig, Rb, CIMK	ELISA, IHC-P, WB
GTX37606	Nestin antibody	Rb pAb	Ms, Rat	ELISA, IHC-P, WB
GTX26142	Nestin antibody [2Q178]	Ms mAb	Ms, Rat	EM, ICC/IF, IHC-Fr, IHC-P, WB
GTX30671	Nestin antibody [10C2]	Ms mAb	Hu	FACS, ICC/IF, IHC-Fr, IHC-P, WB
GTX85457	Nestin antibody	Chk pAb	Ms	ICC/IF, IHC, WB
GTX84021	Noggin antibody [1C1]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
GTX124268	Neuro D1 antibody	Rb pAb	Hu	WB
GTX60686	Neurod antibody [6E9G12]	Ms mAb	Hu, Ms, Mk	ELISA, WB
C GTX100619	Vimentin antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
GTX112661	Vimentin antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB
GTX629743	Vimentin antibody [GT7812]	Ms mAb	Hu, Ms, Rat	ICC/IF, WB
GTX629744	Vimentin antibody [GT812]	Ms mAb	Hu, Ms	WB
C GTX16700	Vimentin antibody [SP20]	Rb mAb	Hu	FACS, ICC/IF, IHC, IHC-P, WB
GTX28069	Vimentin antibody [V9]	Ms mAb	Hu, Dog, Pig, Rat, Cat, Hrs	FACS, IHC, IHC-Fr, IHC-P, WB
C GTX27752	Vimentin antibody [VI-01]	Ms mAb	Hu, Ms, Cow, Pig, Rat, Hm, Mamm	ELISA, FACS, ICC/IF, IP, WB
C GTX40346	Vimentin antibody [VI-10]	Ms mAb	Hu, Ms, Chk, Pig, Rat	ICC/IF, IHC-P, IP, WB
C GTX113241	PAX6 antibody	Rb pAb	Hu, Ms	ICC/IF, IP, WB
GTX82816	PAX6 antibody [1C8]	Ms mAb	Hu	ELISA, ICC/IF, WB
GTX89029	PAX6 antibody, Internal	Gt pAb	Ms	ELISA, WB



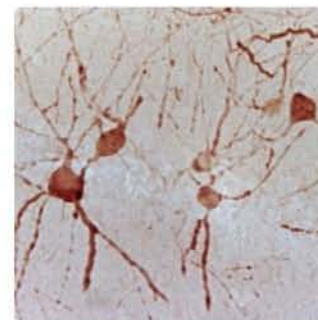
SOX1 antibody [EPR4766] (GTX62974)
IHC-P analysis with SOX1 antibody on human fetal brain tissue.



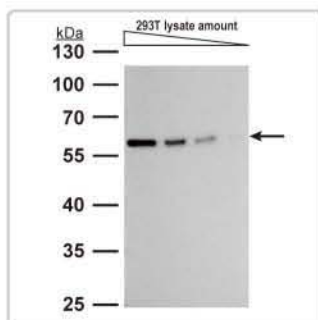
SOX1 antibody [EPR4766] (GTX62974)
WB analysis with SOX1 antibody on whole cell lysates of NCCIT cells, SH-SY5Y cells, MCF-7 cells, and HeLa cells.



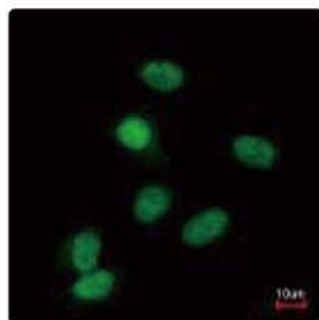
Musashi 1 antibody [N3C3] (GTX101540)
WB analysis with Musashi 1 antibody on whole cell lysate of H1299 cells.



Nestin antibody (GTX37606)
IHC-P analysis with Nestin antibody on mouse hippocampus tissue.



Vimentin antibody (GTX100619)
WB analysis with Vimentin antibody on whole cell lysate of 293T cells.



PAX6 antibody (GTX113241)
ICC/IF analysis with PAX6 antibody on A549 cells.

Representative Citations:

SOX1 antibody [EPR4766] (GTX62974)
Proc Natl Acad Sci U S A. 2014 Apr 29;111(17):E1740-8.

MSI1 antibody [N3C3] (GTX101540)
Nat Commun. 2014 Apr 11;5:3687.

Vimentin antibody (GTX100619)
Endocrinology. 2014 Jan;155(1):263-74.

PAX6 antibody (GTX113241)
Nat Commun. 2014 Jul 18;5:4430.

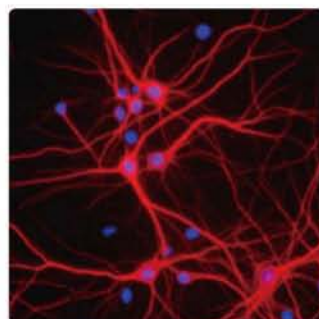
Neurogenesis markers

Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX112799	alpha Synuclein antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
Conjugated GTX21903	alpha Synuclein antibody [4D6]	Ms mAb	Hu, Ms, Rat	ELISA, IHC, IHC-Fr, IHC-P, WB
GTX107133	Doublecortin antibody [N3C3]	Rb pAb	Hu	ICC/IF, WB
GTX113671	Doublecortin antibody [N1C2]	Rb pAb	Hu	WB
GTX50804	Doublecortin antibody	Rb pAb	Hu, Ms, Rat	WB
GTX118345	GABA A Receptor alpha 5 antibody [N2C2], Internal	Rb pAb	Hu, Ms	IHC-P, WB
GTX104965	GABA A Receptor beta 1 antibody [N1C1]	Rb pAb	Hu, Ms	WB
Conjugated GTX62196	Plexin-A1 antibody [EPR3449]	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, WB
GTX122632	Plexin A4 antibody [N1], N-term	Rb pAb	Hu	WB
Conjugated GTX127937	GAP43 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
Conjugated GTX30199	GAP43 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, IHC-Fr, IHC-P, WB
GTX50592	GAP43 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, IHC-P, WB
GTX38514	GAP43 antibody	Ms mAb	Hu	IHC-Fr, IHC-P, WB
Conjugated GTX27756	MAP2 antibody [MT-01]	Ms mAb	Hu, Ms, Cow, Pig, Rat, Cat	ICC/IF, IP, WB
Conjugated GTX30663	MAP2 antibody	Chk pAb	Ms	ICC/IF, WB
GTX11268	MAP2 antibody [AP20]	Ms mAb	Ms, Cow, Rat, QI, Slim, XI	ICC/IF, WB
GTX82661	Microtubule Associated Protein 2 (MAP2) antibody	Chk pAb	Hu, Ms, Cow, Rat	ICC/IF, WB
Conjugated GTX101141	N-cadherin antibody [N1N2], N-term	Rb pAb	Hu	WB
GTX112734	N-cadherin antibody [N1N3]	Rb pAb	Hu, Ms, Rat	IHC-P, WB
GTX127345	N-cadherin antibody	Rb pAb	Hu	IHC-P, WB
GTX85459	NF-H antibody	Chk pAb	Hu, Ms, Rat	ICC/IF, IHC, WB
GTX110065	NF-H antibody	Rb pAb	Hu	WB
GTX17114	NF-H + NF-L antibody [2F11]	Ms mAb	Hu, Ms, Cow, Dog, Pig, Rat, Cat, Hrs, Op, Rb	IHC, IHC-P, IP, WB
GTX101553	ENO2 antibody [N1C1]	Rb pAb	Hu, Ms	IHC-P, WB
GTX113428	ENO2 antibody [C1C3]	Rb pAb	Hu, Ms	WB
GTX129223	Neurogenin 1 antibody	Rb pAb	Hu	WB
GTX84053	NEUROG1 antibody [3F9]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
GTX84051	NEUROG1 antibody [9A8]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
GTX129258	Neurogenin 2 antibody	Rb pAb	Hu, Ms	WB
GTX62773	Neurogenin-2 antibody [EPR4177]	Rb mAb	Hu, Ms, Rat	ICC/IF, WB
GTX72911	NSE antibody (ready-to-use)	Rb pAb	Hu, Dog, Pig, Rat, Gpig, Hrs, Rb, Shp	IHC-Fr, IHC-P
Conjugated GTX10169	NSE antibody [5A4]	Ms mAb	Hu	ELISA, IHC-P, WB
GTX85462	NSE antibody	Chk pAb	Hu, Ms	ICC/IF, IHC, WB
GTX100866	Tau antibody	Rb pAb	Hu, Ms	IHC-P, WB
GTX112981	Tau antibody	Rb pAb	Hu	IHC-P, WB
GTX116044	Tau antibody	Rb pAb	Hu	WB
GTX50445	Tau antibody	Rb pAb	Hu, Ms, Rat	IHC, IHC-P, WB
GTX85468	Tau antibody	Chk pAb	Hu, Ms	ICC/IF, IHC, WB
Conjugated GTX82572	TUJ1 antibody [AA10]	Ms mAb	Ms, Rat	ICC/IF, IHC, WB
Conjugated GTX27751	Neuron specific beta III Tubulin antibody [TU-20]	Ms mAb	Hu, Ms, Cow, Pig, Rat, Bb, Carp, Hm, Mamm	FACS, ICC/IF, IHC
GTX83356	TUBB3 antibody [2E9]	Ms mAb	Hu	ELISA, FACS, ICC/IF, WB
GTX85469	TUJ1 antibody	Chk pAb	Hu, Ms, Rat	ICC/IF, IHC, WB
Conjugated GTX78442	Tubulin beta III antibody [TU-20] (FITC)	Ms mAb	Hu	FACS, ICC/IF, IHC



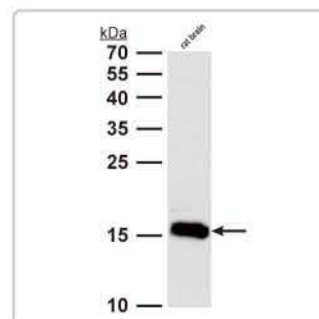
Doublecortin antibody [N3C3] (GTX107133)
ICC/IF analysis with Doublecortin antibody on neurons derived from human ESCs.



MAP2 antibody (GTX30663)
ICC/IF analysis with MAP2 antibody on neurons.



NF-H antibody (GTX85459)
ICC/IF analysis with NF-H antibody on neurons dissociated from adult rat brain.



alpha Synuclein antibody (GTX112799)
WB analysis with alpha Synuclein antibody on rat brain extract.

Representative Citations:

Plexin-A1 antibody [EPR3449] (GTX62196)

Proc Natl Acad Sci U S A. 2013 Feb 19;110(8):E726-35.

N-cadherin antibody [N1N2], N-term (GTX101141)

J Cell Sci. 2014 Jan 1;127(Pt 1):85-100.

GAP43 antibody (GTX30199)

Mol Cell Biol. 2014 Mar;34(6):1003-19.

MAP2 antibody [MT-01] (GTX27756)

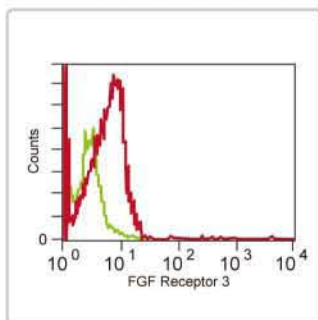
J Neurosci. 2006 Apr 12;26(15):4054-62.

Gliogenesis markers

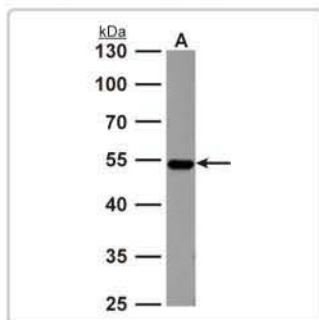
Astrocyte markers

Conjugated antibodies available for FACS analysis Citation

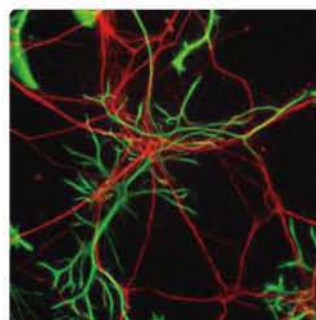
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX14538	A2B5 antibody [105]	Ms mAb	Hu, Ms, Rat	ICC/IF
GTX109624	FGFR-3 antibody [C3], C-term	Rb pAb	Hu	ICC/IF, WB
GTX64093	FGFR3 antibody [EPR2304(3)]	Rb mAb	Hu, Ms, Rat	FACS, WB
GTX108711	GFAP antibody	Rb pAb	Ms, Rat	IHC-Fr, WB
GTX100850	GFAP antibody	Rb pAb	Hu, Ms, Rat	WB
GTX78212	GFAP antibody	Rb pAb	Ms, Mamm	ICC/IF, IHC, WB
GTX41001	GFAP antibody [1B4]	Ms mAb	Hu, Ms, Chk, Cow, Dog, Rat, Gpig, Rb, Shp	IHC-Fr, IHC-P, RIA, WB
GTX73615	GFAP antibody [GA5]	Ms mAb	Hu	IHC, IHC-P, IP, WB
GTX85454	GFAP antibody	Chk pAb	Hu, Ms, Rat	ICC/IF, IHC, WB
GTX27260	GFAP antibody	Rb pAb	Hu, Ms, Cow, Pig, Rat, Zfsh, Cat	CC, ICC/IF, IHC-F, IHC-P, IP, WB
GTX14688	S100 beta antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, IP, WB
GTX83327	S100B antibody [9A11B9]	Ms mAb	Hu	ELISA, IHC, IHC-P, WB
GTX11178	S100 beta antibody [SH-B1]	Ms mAb	Hu, Cow, Pig, Rat, Cat, Rb	Dot, ELISA, IHC, IHC-Fr, IHC-P, WB
GTX11179	S100 beta antibody [SH-B4]	Ms mAb	Hu, Cow, Dog, Pig, Rat, Cat, Goat, Rb, Shp	Dot, ELISA, ICC/IF, IHC-Fr, IHC-P, WB



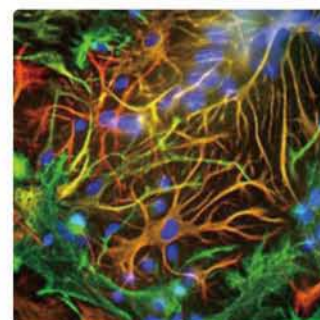
FGFR3 antibody [EPR2304(3)] (GTX64093)
Flow cytometry analysis with FGFR3 antibody on K562 cells.



GFAP antibody (GTX108711)
WB analysis with GFAP antibody on rat brain extract.



GFAPR40 (GFAP) antibody (GTX27260)
ICC/IF analysis with GFAP antibody (green) on rat neurons.

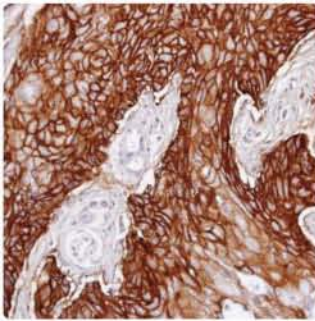


GFAPR40 (GFAP) antibody (GTX27260)
ICC/IF analysis with GFAP antibody (red) and vimentin antibody (green; GTX30668) on mixed neuron-glia cultures.

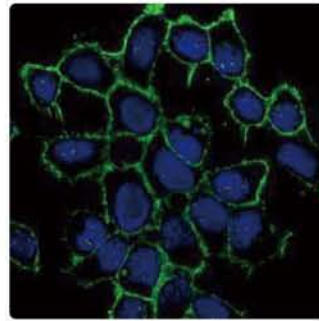
Oligodendrocyte markers

Conjugated antibodies available for FACS analysis Citation

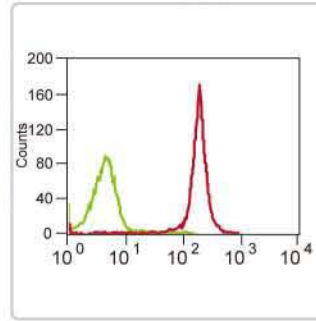
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX102111	CD44 antibody	Rb pAb	Hu, Ms, Rb	ICC/IF, IHC-P, WB
GTX628472	CD44 antibody [GT981]	Ms mAb	Hu	ICC/IF, IHC-P, WB
GTX83114	CD44 antibody [8E2F3]	Ms mAb	Hu, Ms	ELISA, FACS, ICC/IF, IHC, IHC-P, WB
GTX80086	CD44 antibody [IM7]	Rat mAb	Hu, Ms, Dog, Cat, Hrs	FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB
GTX107903	PDGF Receptor alpha antibody [N2C2], Internal	Rb pAb	Hu, Ms	WB
GTX52457	PDGF Receptor alpha antibody [8A89]	Ms mAb	Hu	IHC, WB
GTX80298	CD140a antibody [16A1]	Ms mAb	Hu	FACS, ICC/IF
GTX42418	CD140A antibody [35248 (57/20)]	Ms mAb	Hu	ELISA, IHC-P, WB
GTX25452	PDGFR alpha (phospho Tyr742) antibody	Rb pAb	Hu, Ms, Rat, Xi	WB
GTX62496	PDGF Receptor alpha (phospho Tyr720) antibody [EP2478]	Rb mAb	Hu, Ms, Rat	FACS, WB
GTX22404	Myelin basic protein antibody	Rb pAb	Hu	IHC, IHC-P
GTX40406	MBP antibody [BDI221]	Ms mAb	Hu	ELISA, IHC-Fr, IHC-P, WB
GTX76114	MBP antibody [12]	Rat mAb	Hu, Ms, Pig, Rat, Gpig, Rb, Shp	ELISA, IHC-Fr, RIA, WB
GTX61577	MBP antibody [EP1448Y]	Rb mAb	Hu, Ms, Rat	FACS, ICC/IF, IP, WB
GTX11161	Myelin basic protein antibody [Clone 14]	Rat mAb	Mamm, Rb	ELISA, ICC/IF, IHC-Fr, WB
GTX85456	MBP antibody	Chk pAb	Hu, Ms	ICC/IF, IHC, WB
GTX104823	OLIG1 antibody [C2C3], C-term	Rb pAb	Hu	WB
GTX63608	OLIG1 antibody [EPR6790]	Rb mAb	Hu, Ms, Rat	FACS, WB
GTX89600	OLIG1 antibody, C-term	Gt pAb	Hu, Ms, Dog, Rat	ELISA
GTX82621	Olig1 antibody	Rb pAb	Ms, Rat	IHC, IP, WB
GTX82620	Olig2 antibody	Rb pAb	Hu, Ms, Rat	IHC, IP, WB
GTX106329	OMG antibody [C1C2], Internal	Rb pAb	Hu	WB
GTX89414	OMG antibody, Internal	Gi pAb	Hu	ELISA, WB
GTX81326	RUNX2 antibody, S533	Rb pAb	Hu	ELISA, FACS, IHC-P, WB
GTX47467	RUNX2 antibody, Internal	Rb pAb	Hu	WB



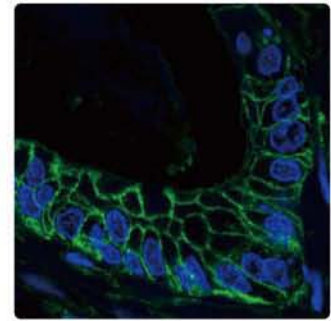
CD44 antibody (GTX102111)
IHC-P analysis with CD44 antibody on Cal27 xenograft.



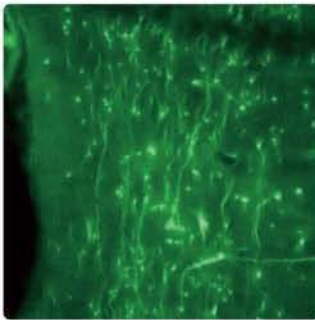
CD44 antibody [GT981] (GTX628472)
ICC/IF analysis with CD44 antibody on A431 cells.



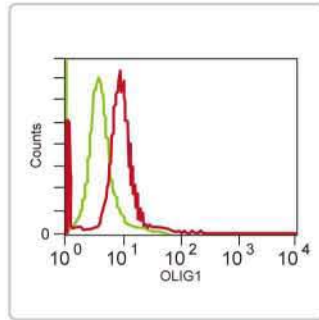
CD44 antibody [8E2F3] (GTX83114)
Flow cytometry analysis with CD44 antibody on HeLa cells.



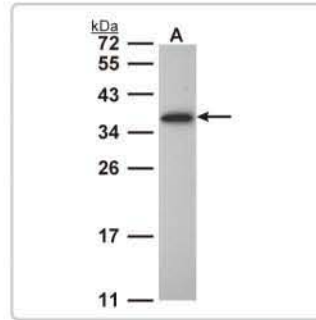
CD44 antibody [8E2F3] (GTX83114)
ICC/IF analysis with CD44 antibody on human lung cancer tissue.



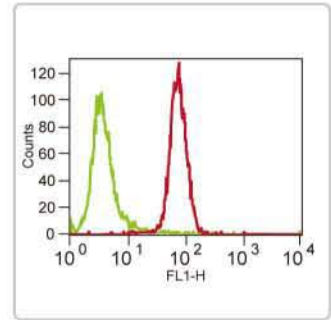
Myelin basic protein antibody (GTX22404)
IHC analysis with MBP antibody on rat brain cortex.



OLIG1 antibody [EPR6790] (GTX63608)
Flow cytometry with OLIG1 antibody on 293T cells.



OLIG1 antibody [C2C3], C-term (GTX104823)
WB analysis with OLIG1 antibody on Molt4 cells.

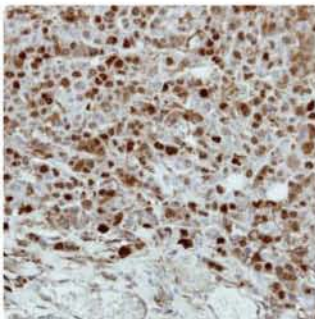


RUNX2 antibody, S533 (GTX81326)
Flow cytometry with RUNX2 antibody on NCI-H460 cells.

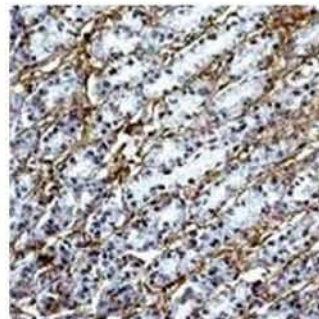
Epidermal stem cell markers

Conjugated antibodies available for FACS analysis Citation

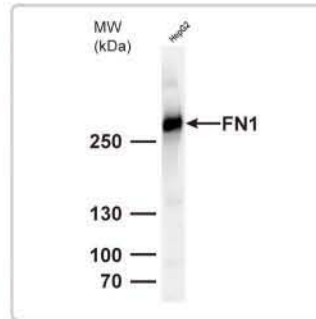
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX101551	CRABP2 antibody [N1C3]	Rb pAb	Hu	ICC/IF, IHC-P, WB
GTX50826	CRABP2 antibody	Rb pAb	Hu, Rat	WB
GTX50029	CRABP2 antibody [AT2E11]	Ms mAb	Hu, Ms	ELISA, WB
Ⓢ GTX112794	Fibronectin antibody [N1N2], N-term	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB
GTX20299	Fibronectin antibody	Rb pAb	Hu	ELISA, IHC-P, IP, WB
GTX37694	Fibronectin antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC-P, WB
Ⓢ GTX61206	Fibronectin antibody [F1]	Rb mAb	Hu	ICC/IF, IHC-Fr, IHC-P, IP, WB
GTX42768	Fibronectin (Plasma) antibody [B714M]	Ms mAb	Hu	ELISA, WB
GTX18266	Fibronectin antibody [Fn-4]	Ms mAb	Hu	IP
GTX28846	Fibronectin antibody	Shp pAb	Hu, Dog, Pig, Rat, Cat, Gpig, Hrs	DID, IE, RID, RIE
GTX74138	Fibronectin antibody	Shp pAb	Hu, Pig, Rat, Gpig	ID, IHC-Fr



CRABP2 antibody [N1C3] (GTX101551)
IHC-P analysis with CRABP2 antibody on MDA-MB468 xenograft.



Fibronectin antibody [F1] (GTX61206)
IHC-P analysis with Fibronectin antibody on human stomach tissue.



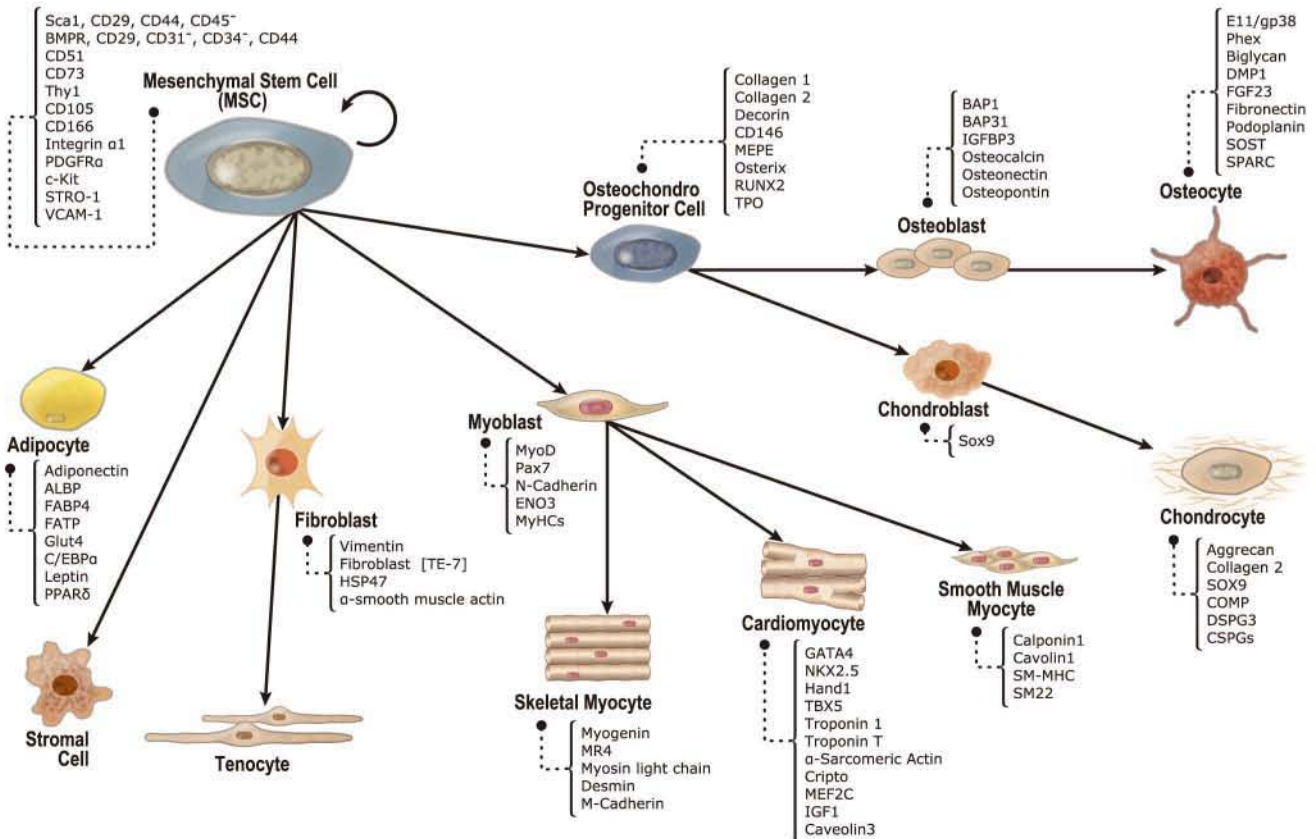
Fibronectin antibody [N1N2], N-term (GTX112794)
WB analysis with Fibronectin antibody.

Mesodermal lineage

The mesoderm is the middle of the three germ layers. These cells give rise to the bone, muscle, connective tissue, cardiovascular system, and excretory system. Two major multipotent stem cell types, mesenchymal stem cells and hematopoietic stem cells, have been described within the mesodermal lineage.

Mesenchymal Stem Cells (MSCs)

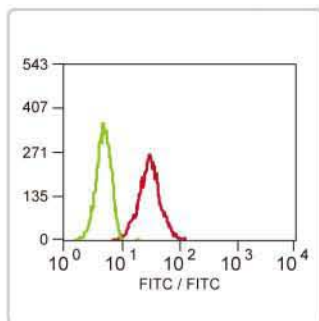
Mesenchymal stem cells (MSCs) are multipotent cells that can self-renew and differentiate into various cells of mesodermal lineage such as muscle, bone, connective and adipose tissue. These cells play a critical role in tissue repair. MSCs can be derived from multiple tissue sources, including bone marrow, adipose tissue, umbilical cord and dental pulp. There is no single accepted phenotypic definition of MSCs, but numerous cellular markers have been attributed to them.



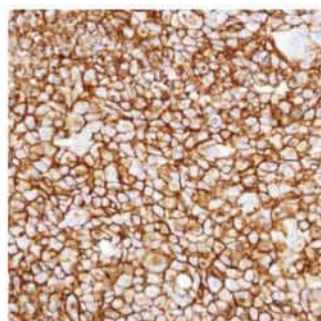
MSCs surface markers

 Conjugated antibodies available for FACS analysis
  Citation

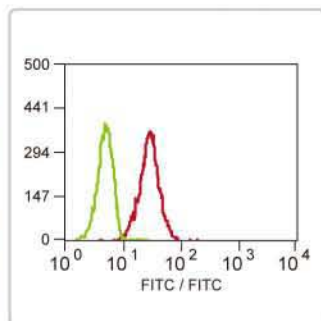
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX83191	ALCAM antibody [10F1G12]	Ms mAb	Hu	ELISA, IHC, IHC-P
GTX81335	KIT antibody, N-term	Rb pAb	Hu	FACS, IHC, IHC-P, WB
GTX50556	c-Kit antibody	Rb pAb	Hu, Ms, Rat	WB
 GTX11289	c-Kit antibody [104D2]	Ms mAb	Hu, Mk	FACS
 GTX39798	Ly-6A/E antibody [D7]	Rat mAb	Ms	FACS, IP, WB
GTX75871	MUC18 antibody [OJ79c]	Ms mAb	Pig	ELISA, FACS, IHC-Fr
GTX83363	NT5E antibody [1D7]	Ms mAb	Hu	ELISA, IHC, IHC-P
GTX20225	Thy1 antibody [MRC OX-7]	Ms mAb	Ms, Rat	CC, FACS, ICC/IF, IHC-Fr, IM, Puri
GTX28616	Thy1 antibody [B417 (IBL-1)]	Rat mAb	Ms	FACS, ICC/IF, IHC-Fr
GTX111680	CD10 antibody [N2C1], Internal	Rb pAb	Hu, Ms, Rat	IHC-P, WB
 GTX20659	CD10 antibody [MEM-78]	Ms mAb	Hu	FACS, IP, WB
 GTX75137	CD10 antibody [SN5c]	Ms mAb	Hu	FACS, IHC-Fr, IP, WB
GTX102788	CD13 antibody	Rb pAb	Hu	IHC-P, WB
  GTX42441	CD13 antibody [WM15]	Ms mAb	Hu, RMK	ELISA, FACS, IHC-Fr, IP, Functional Assay
GTX40136	CD13 antibody [2A25]	Ms mAb	Hu	FACS, IHC-Fr, IP
  GTX27417	CD13 antibody [WM15]	Ms mAb	Hu	ELISA, FACS, IHC-Fr, IP
  GTX74833	CD13 antibody [WM15] (FITC)	Ms mAb	Hu, NHuPm	FACS
  GTX74832	CD13 antibody [WM15] (APC)	Ms mAb	Hu, NHuPm	FACS
 GTX75927	CD13 antibody [R3-63]	Rat mAb	0	FACS, IHC-Fr
 GTX102111	CD44 antibody	Rb pAb	Hu, Ms, Rb	ICC/IF, IHC-P, WB
GTX100499	CD44 antibody	Rb pAb	Hu	ICC/IF, IHC-P
GTX628472	CD44 antibody [GT981]	Ms mAb	Hu	ICC/IF, IHC-P, WB
GTX628895	CD44 antibody [GT462]	Ms mAb	Hu	FACS, IHC-P, WB
 GTX22212	CD44 antibody [MEM-85]	Ms mAb	Hu	ELISA, FACS, IP
 GTX29524	CD44 antibody [MEM-263]	Ms mAb	Hu	FACS, IP, WB
 GTX80086	CD44 antibody [IM7]	Rat mAb	Hu, Ms, Dog, Cat, Hrs	FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB
 GTX80087	CD44 antibody [IM7] (FITC)	Rat mAb	Hu, Ms, Dog, Cat, Hrs	FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB
GTX41951	CD49D antibody [PS/2]	Rat mAb	Hu, Ms	FACS, IHC-Fr, IP, Functional Assay
 GTX41953	CD49D antibody [MRalpha4-1]	Ms mAb	Rat	FACS, IP
GTX47489	CD49d antibody [PS/2]	Rat mAb	Hu	FACS, IHC-Fr, IP, Functional Assay
GTX75782	CD49d antibody [R1-2]	Rat mAb	Ms	FACS, IHC, IP
GTX81964	CD49e antibody, C-term	Rb pAb	Hu, Ms	ELISA, FACS, WB
 GTX41945	CD49E antibody [MFR5 (5H10)]	Rat mAb	Ms	FACS, IHC-Fr, Functional Assay
 GTX41947	CD49E antibody [HM alpha 5]	Hamster mAb	Ms, Rat	FACS, WB
GTX83192	ITGA5 antibody [10F6]	Ms mAb	Hu	ELISA, FACS, IHC-P, WB
 GTX100450	ICAM1 / CD54 antibody [N1C2]	Rb pAb	Hu	IHC-P, WB
GTX100451	ICAM1 / CD54 antibody [C1C3]	Rb pAb	Hu	WB
GTX62947	ICAM1 antibody [EPR4776]	Rb mAb	Hu	FACS, IHC, IHC-P, IP, WB
  GTX78387	ICAM1 / CD54 antibody [1H4]	Ms mAb	Hu	FACS, ICC/IF, IHC-Fr, IHC-P, WB
 GTX22213	ICAM1 / CD54 antibody [MEM-111]	Ms mAb	Hu, Cow, Rat	ELISA, FACS, IHC-P, WB
GTX102596	CD71 antibody [N2C1], Internal	Rb pAb	Hu, Ms	IHC-P, WB
GTX41848	CD71 antibody [ER-MP21]	Rat mAb	Ms	FACS, IP, Functional Assay
  GTX29179	Transferrin receptor antibody [MEM-75]	Ms mAb	Hu	FACS, ICC/IF, IP
GTX21086	Transferrin receptor antibody [MEM-189]	Ms mAb	Hu	FACS, IP, WB
GTX101140	CD73 antibody [N3C3]	Rb pAb	Hu	IHC-P, WB
GTX113509	CD73 antibody [N1N3]	Rb pAb	Hu	IHC-P, WB
 GTX11153	CD90 antibody [F15-42-1]	Ms mAb	Hu, Mk	FACS, IHC, IHC-Fr, IP
GTX74569	CD90 antibody [T11D7e]	Ms mAb	Ms, Rat	FACS, CTA
GTX74609	CD90 antibody [YKIX 337.217]	Rat mAb	Dog	FACS, IP
GTX100508	CD105 antibody [N3C3]	Rb pAb	Hu	IHC-P, WB
GTX112684	CD105 antibody [N1N3]	Rb pAb	Hu	WB
 GTX22529	CD105 antibody [MEM-226]	Ms mAb	Hu	FACS, IP, WB
  GTX78404	CD105 antibody [MEM-229]	Ms mAb	Hu, Pig	FACS, ICC/IF, WB
  GTX79974	CD105 antibody [MEM-229] (FITC)	Ms mAb	Hu, Pig	FACS, ICC/IF, WB
 GTX11414	CD105 antibody [SN6]	Ms mAb	Hu	FACS, IHC-Fr, IP, WB
GTX42507	CD105 antibody [MJ7/18]	Rat mAb	Ms	FACS, IHC-Fr, IHC-P, IP, WB
GTX100562	VCAM1 / CD106 antibody	Rb pAb	Hu	IHC-P, WB
GTX110684	VCAM1 / CD106 antibody [N1N2], N-term	Rb pAb	Hu	IHC-P, WB
GTX76604	VCAM1 / CD106 antibody [1.G11B1]	Ms mAb	Hu	ELISA, FACS, IHC-Fr, IP
 GTX43777	VCAM1 / CD106 antibody [MR106] (FITC)	Ms mAb	Rat	FACS
 GTX74928	CD117 antibody [2B8]	Rat mAb	Ms	FACS
GTX108777	CD146 antibody [C1C3]	Rb pAb	Hu, Ms, Rat	IHC-P, WB
GTX11372	CD146 antibody [P1H12]	Ms mAb	Hu	ELISA, FACS, ICC/IF, IP
GTX81961	CD166 antibody, N-term	Rb pAb	Hu	ELISA, FACS, IHC, IHC-P, WB



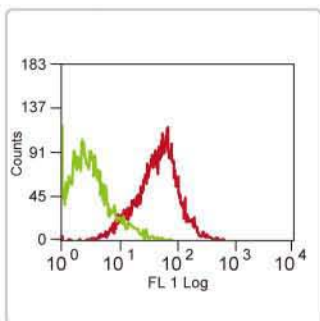
CD10 antibody [SN5c] (GTX75137)
Flow cytometry analysis with CD10 antibody on human peripheral blood granulocytes.



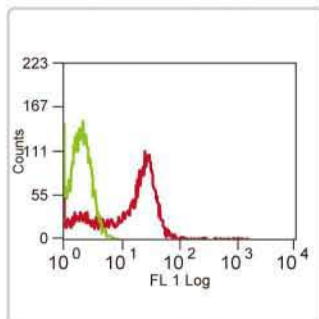
CD13 antibody (GTX102788)
IHC-P analysis with CD13 antibody on H1299 xenograft.



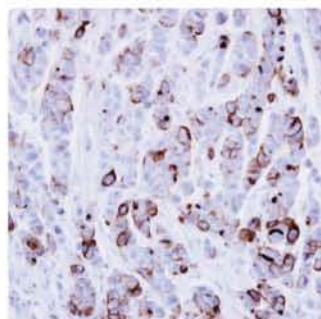
CD13 antibody [WM15] (GTX42441)
Flow cytometry analysis with CD13 antibody on human peripheral blood granulocytes.



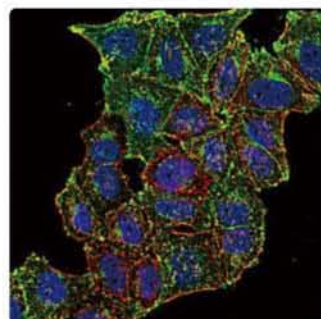
CD49D antibody [PS/2] (GTX41951)
Flow cytometry analysis with CD49D antibody on m peripheral blood lymphocytes.



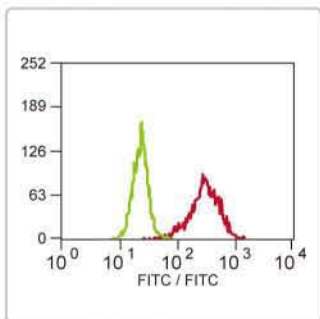
CD49E antibody [MFR5 (5H10)] (GTX41945)
Flow cytometry analysis with CD49E antibody on mouse peripheral blood lymphocytes.



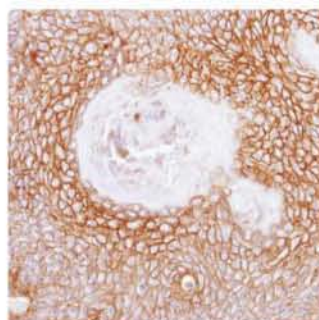
ICAM1 / CD54 antibody [N1C2] (GTX100450)
IHC-P analysis with ICAM1/ CD54 antibody on MDA-MB468 xenograft.



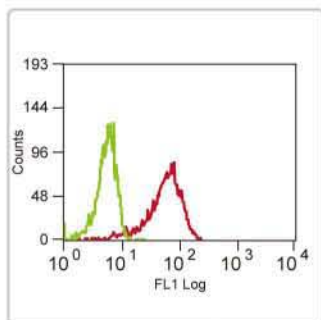
Transferrin receptor antibody [MEM-75] (GTX29179)
ICC/IF analysis with Transferrin receptor antibody on HeLa cells.



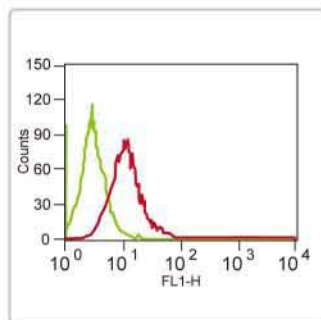
CD90 antibody [F15-42-1] (GTX11153)
Flow cytometry analysis with CD90 antibody on HUT78 T cells.



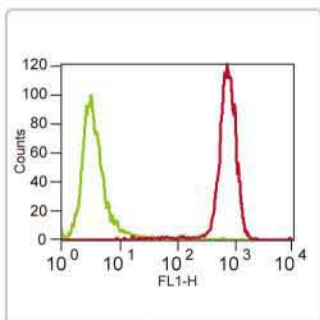
CD105 antibody [N3C3] (GTX100508)
IHC-P analysis with SCC15 xenograft.



VCAM1 / CD106 antibody [1.G11B1] (GTX76604)
Flow cytometry analysis with VCAM1/ CD106 antibody on KM-H2 cells.



CD166 antibody, N-term (GTX81961)
Flow cytometry analysis with CD166 antibody on NCI-H292 cells.



KIT antibody, N-term (GTX81335)
Flow cytometry analysis with KIT antibody on NCI-H460 cells.

Negative markers of MSCs

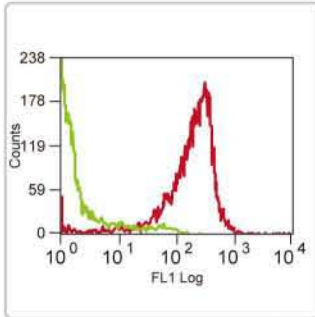
Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX113089	CD11b antibody [N1N2], N-term	Rb pAb	Hu	IHC-P, WB
GTX100827	CD11b antibody [C1C3]	Rb pAb	Hu	WB
GTX76293	CD11b antibody [ICRF44]	Ms mAb	Hu, Mk, Bb	FACS, IHC-Fr, IP
GTX21046	CD11b antibody [MEM-174]	Ms mAb	Hu	FACS, IP, WB
GTX76062	CD11b antibody [MRC OX-42]	Ms mAb	Rat	FACS, ICC/IF, IHC-Fr, IP
GTX42476	CD11B antibody [5C6]	Rat mAb	Hu, Ms	FACS, ICC/IF, IHC-Fr, IP, Functional Assay
GTX42473	CD11B antibody [M1/70.15]	Rat mAb	Hu, Ms, Rb	FACS, IHC-Fr, IHC-P, IP, Functional Assay
GTX110602	CD31 antibody [N3C2], Internal	Rb pAb	Hu	IHC-P, WB
GTX628422	CD31 antibody [GT0010]	Ms mAb	Ms	FACS
GTX81432	CD31 antibody, C-term	Rb pAb	Hu	ELISA, FACS, IHC, IHC-P, WB

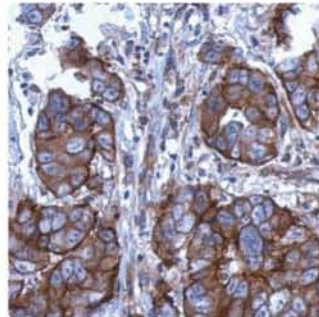
Negative markers of MSCs

Conjugated antibodies available for FACS analysis Citation

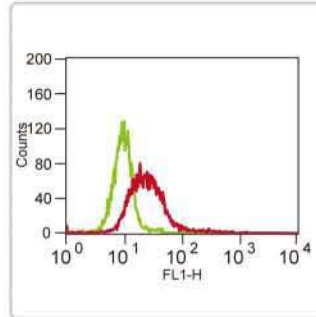
Cat. No.	Product	Host & Clonality	Reactivity	Application
Ⓢ Ⓢ GTX42089	CD31 antibody [TLD-3A12]	Ms mAb	Rat	ELISA, FACS, ICC/IF, IHC, IHC-Fr, WB
Ⓢ GTX22210	CD31 antibody [MEM-05]	Ms mAb	Hu	FACS, WB
GTX72197	CD31 antibody [B493 (158-2B3)]	Ms mAb	Hu	FACS, IHC-Fr, IHC-P, IP
Ⓢ Ⓢ GTX20218	CD31 antibody [WM59]	Ms mAb	Hu, Mk	FACS, ICC/IF, IHC, IP
Ⓢ Ⓢ GTX75302	CD31 antibody [WM59] (PE)	Ms mAb	Hu, Mk	FACS
Ⓢ Ⓢ GTX27385	CD31 antibody [WM59] (Biotin)	Ms mAb	Hu	FACS
GTX111633	CD34 antibody [N1C1]	Rb pAb	Hu	WB
Ⓢ GTX28158	CD34 antibody [MEC14.7]	Rat mAb	Hu, Ms	ELISA, FACS, ICC/IF, IHC, IHC-Fr, IHC-P, IP, WB
GTX61737	CD34 antibody [EP373Y]	Rb mAb	Hu, Ms, Dog, Pig, Shp, Elp	FACS, ICC/IF, IHC, IHC-Fr, IHC-P, IP, WB
GTX628507	CD45 antibody [GT0014]	Ms mAb	Hu	FACS, ICC/IF
GTX116018	CD45 antibody	Rb pAb	Hu, Ms	ICC/IF, WB
Ⓢ GTX76584	CD45 antibody [F10-89-4]	Ms mAb	Hu	FACS, IHC-Fr, IHC-P, IP



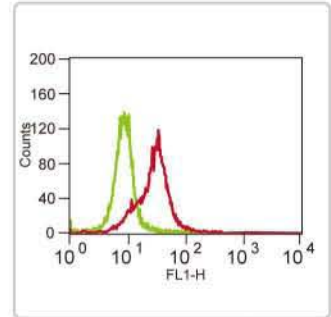
CD11B antibody [M1/70.15] (GTX42473)
Flow cytometry analysis with CD11B antibody on mouse peritoneal macrophages.



CD11b antibody [N1N2], N-term (GTX113089)
IHC-P analysis with CD11b antibody on breast carcinoma.



CD31 antibody [GT0010] (GTX628422)
Flow cytometry analysis with CD31 antibody on Raw264.7 cells.

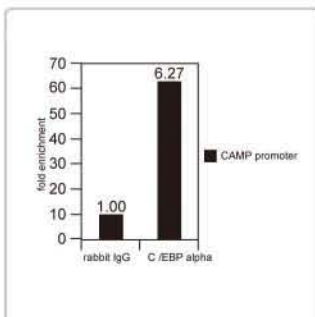


CD45 antibody [GT0014] (GTX628507)
Flow cytometry analysis with CD45 antibody on THP-1 cells.

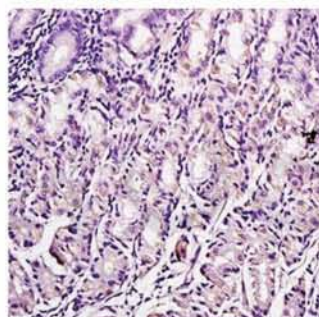
Adipogenesis markers

Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX112777	Adiponectin antibody	Rb pAb	Hu, Ms	WB
GTX52534	Adiponectin antibody [18C9]	Ms mAb	Hu	WB
GTX53161	Adiponectin antibody [7J61]	Rat mAb	Ms	WB
GTX16086	Acrp30 antibody [Ne.Na]	Ms mAb	Hu	ELISA, IP, WB
GTX116036	FABP4 antibody [N3C3]	Rb pAb	Hu, Ms	ICC/IF, WB
GTX83334	FABP4 antibody [5H11A4E11]	Ms mAb	Hu	ELISA, WB
GTX100674	C/EBP alpha antibody [N1], N-term	Rb pAb	Hu	IP, WB, ChIP assay
GTX15047	C/EBP alpha antibody [15C8]	Ms mAb	Hu, Ms, Rat	IP, WB
GTX109204	Leptin antibody	Rb pAb	Hu	WB
GTX27210	Leptin antibody	Rb pAb	Ms	ICC/IF, WB
GTX37638	Leptin antibody	Rb pAb	Hu, Ms, Pig, Rat, Shp	ELISA, IHC-P, WB
GTX37240	Leptin antibody	Ms mAb	Hu	ELISA, IP, WB



C/EBP alpha antibody [N1], N-term (GTX100674)
ChIP analysis with C/EBP alpha antibody on A549 chromatin extract.



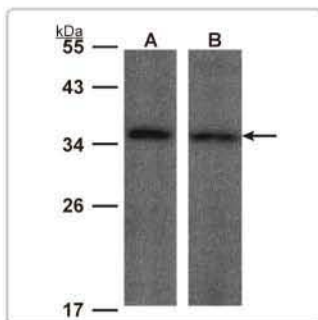
Leptin antibody (GTX37638)
IHC-P analysis with Leptin antibody on human gaster tissue.

Myogenesis markers

Myoblast markers

Conjugated antibodies available for FACS analysis Citation

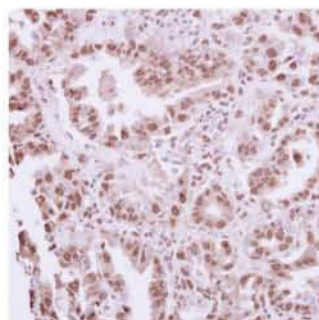
Cat. No.	Product	Host & Clonality	Reactivity	Application
Ⓢ GTX100885	MyoD antibody [N1N3]	Rb pAb	Hu, Ms	WB, ChIP assay
GTX20788	MyoD1 antibody [5.2F]	Ms mAb	Ms	IHC-Fr, IHC-P
GTX128129	myod1 antibody	Rb pAb	Zfish	IHC-Wm
GTX100702	PAX7 antibody [C3], C-term	Rb pAb	Hu	IHC-P, WB
Ⓢ GTX77888	PAX7 antibody	Rb pAb	Hu, Ms	ICC/IF, IHC, IHC-P, WB
GTX62311	PAX7 antibody [EPR3353]	Rb mAb	Hu, Ms, Rat	FACS, WB
Ⓢ GTX113429	ENO3 antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB
GTX103808	ENO3 antibody	Rb pAb	Hu	ICC/IF, WB
Ⓢ GTX127392	Eno3 antibody	Rb pAb	Zfish	WB, IHC-Wm



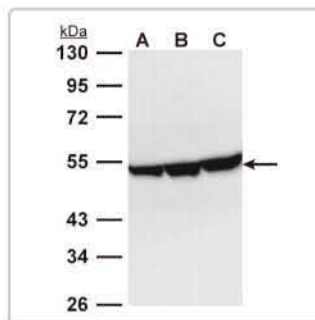
MyoD antibody [N1N3] (GTX100885)
WB analysis with MyoD antibody on whole cell lysates of A) 293T cells and B) HeLa cells.



myod1 antibody (GTX128129)
IHC-WM analysis with myod1 antibody on zebrafish embryo.



PAX7 antibody [C3], C-term (GTX100702)
IHC-P analysis with PAX7 antibody on lung adenocarcinoma.

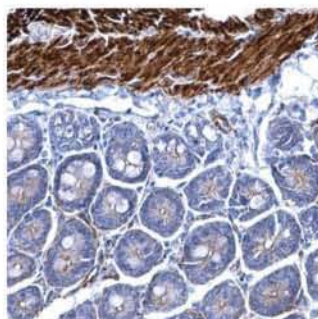


ENO3 antibody (GTX113429)
WB analysis with ENO3 antibody on whole cell lysates of A) HepG2 cells, B) Molt-4 cells, and C) Raji cells.

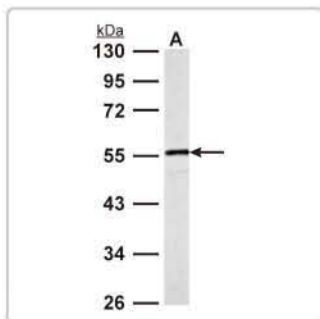
Skeletal muscle markers

Conjugated antibodies available for FACS analysis Citation

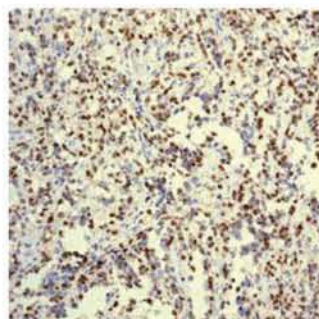
Cat. No.	Product	Host & Clonality	Reactivity	Application
Ⓢ GTX103557	Desmin antibody	Rb pAb	Hu, Ms, Rat	IHC-P, WB
Ⓢ GTX28592	Desmin antibody	Rb pAb	Hu, Mamm	ICC/IF, IHC, IHC-Fr, IHC-P, WB
Ⓢ GTX15200	Desmin antibody	Rb pAb	Hu, Ms, Rat	IHC, IHC-P, IP, WB
Ⓢ GTX26322	Desmin antibody [DE-U-10]	Ms mAb	Hu, Ms, Cow, Rat, Cat, Goat, Hm, Lzd, Rb, Shp, Snk, Bov	CC, ICC/IF, IHC-F, IHC-P, WB
GTX83146	Desmin antibody [10H7D2]	Ms mAb	Hu	ELISA, IHC, IHC-P, WB
Ⓢ GTX21835	Myogenin antibody [F5D]	Ms mAb	Ms, Rat, Cat	GSA, ICC/IF, IHC-Fr, IHC-P, IP, WB
GTX15232	Myogenin antibody [SPM144]	Ms mAb	Hu, Ms, Rat	IHC, IHC-P, IP, WB
GTX63352	Myogenin antibody [EPR4789]	Rb mAb	Hu, Ms, Rat	FACS, IHC, IHC-P, WB
GTX88097	Myogenin / MYF4 antibody, C-term	Gt pAb	Ms	ELISA, WB
GTX102930	Myosin Light Chain 3 antibody [N1C3]	Rb pAb	Hu, Ms	WB
Ⓢ GTX22480	Myosin Light chain (phospho Ser20) antibody	Rb pAb	Hu, Ms	ELISA, ICC/IF, IHC-P, WB
GTX87110	MYF5 antibody	Rb pAb	Hu, Ms	ELISA, ICC/IF, IHC, IHC-P, WB
GTX63307	Myf5 antibody [EPR4899]	Rb mAb	Hu, Ms, Rat	IHC, IHC-P, WB
GTX88776	MYF5 antibody, Internal	Gt pAb	Hu	ELISA, WB



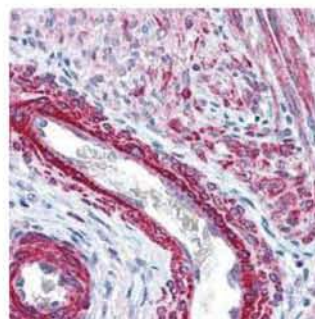
Desmin antibody (GTX103557)
IHC-P analysis with Desmin antibody on mouse smooth muscle.



Desmin antibody (GTX103557)
WB analysis with Desmin antibody on mouse muscle extract.



Myogenin antibody [EPR4789] (GTX63352)
IHC-P analysis with Myogenin antibody on human rhabdomyosarcoma tissue.

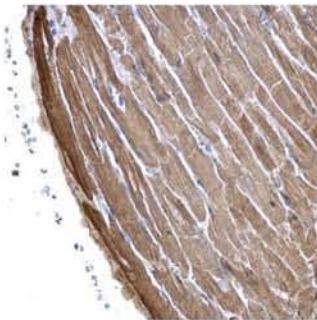


Myosin Light chain (phospho Ser20) antibody (GTX22480)
IHC-P analysis with Myosin Light chain (pSer20) antibody on human uterus tissue.

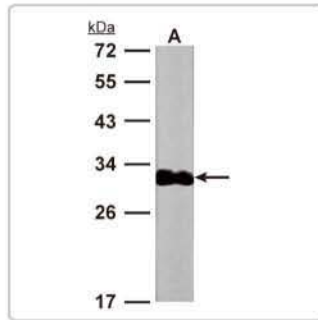
Cardiomyocyte markers

Conjugated antibodies available for FACS analysis Citation

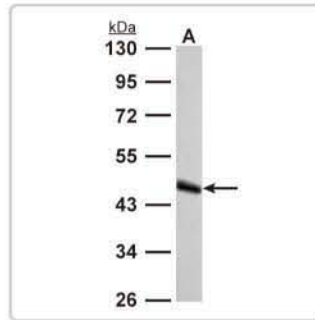
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX113849	TBX5 antibody	Rb pAb	Hu, Rat	ICC/IF, WB
GTX83374	TBX5 antibody [7B11]	Ms mAb	Hu	ELISA, WB
GTX109331	Troponin I (cardiac) antibody [N1C3]	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB
GTX112770	Troponin I (cardiac) antibody [N1C3-2]	Rb pAb	Hu, Ms	WB
GTX113028	Troponin I (cardiac) antibody [N1C3-3]	Rb pAb	Hu, Ms	ICC/IF, WB
GTX28289	Cardiac Troponin I antibody [19C7]	Ms mAb	Hu, Ms, Cow, Dog, Pig, Rat, Cat, Fsh, Goat, Rb	Apuri, ELISA, IA, WB
GTX10226	Cardiac Troponin I antibody [16A11]	Ms mAb	Hu, Ms, Cow, Dog, Pig, Rat, Cat, Goat, Rb	Apuri, ELISA, IA, WB
GTX28291	Cardiac Troponin I (phospho) antibody [5E6]	Ms mAb	Hu, Ms	EIA, ELISA, WB
GTX28295	Cardiac Troponin T antibody [1C11]	Ms mAb	Hu, Ms, Dog, Rat	Apuri, EIA, ELISA, IHC, WB
GTX27819	Cardiac Troponin T antibody [9B1]	Ms mAb	Hu	ELISA, IHC-Fr, IHC-P, IP, WB
GTX28285	Cardiac Troponin C antibody [1A2]	Ms mAb	Hu	Apuri, ELISA, IA, WB
GTX113194	GATA4 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, WB
GTX84460	GATA4 antibody [9F9]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
GTX11846	HAND1 antibody	Rb pAb	Hu, Ms, Rat, Rb	IHC, WB
GTX83179	HAND1 antibody [8E7A11,8C2F4]	Ms mAb	Hu	ELISA, WB
GTX105711	Nkx2.5 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, WB
GTX83313	NKX2.5 antibody [2E1]	Ms mAb	Hu	ELISA, WB
GTX95803	Nkx2.5 antibody [3A7]	Ms mAb	Hu, Cat	ELISA, WB
GTX88402	Nkx2.5 antibody, Internal	Gt pAb	Hu, Ms, Rat	ELISA, WB
GTX105433	MEF2C antibody	Rb pAb	Hu, Ms	IHC, IHC-P, IP, WB
GTX81916	MEF2C antibody	Rb pAb	Hu	ELISA, ICC/IF, IHC, IHC-P, WB
GTX60668	MEF2C antibody [6H2G2]	Ms mAb	Hu, Ms	ELISA, FACS, IHC, WB



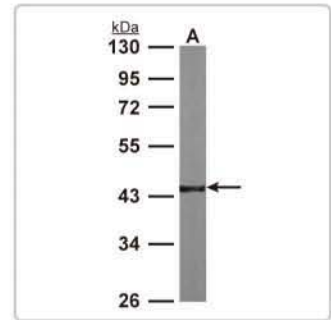
Troponin I (cardiac) antibody [N1C3] (GTX109331)
IHC-P analysis with Troponin I (cardiac) antibody on mouse heart.



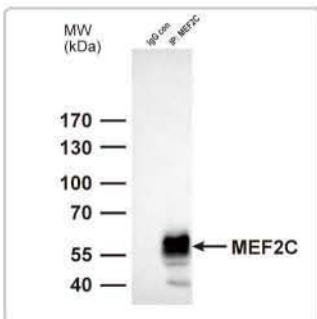
Troponin I (cardiac) antibody [N1C3-2] (GTX112770)
WB analysis with Troponin I (cardiac) antibody on mouse heart extract.



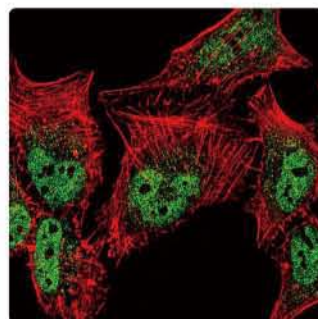
GATA4 antibody (GTX113194) (GTX112770)
WB analysis with GATA4 antibody on rat heart extract.



Nkx2.5 antibody (GTX105711)
WB analysis with Nkx2.5 antibody on mouse heart extract.



MEF2C antibody (GTX105433)
IP analysis with MEF2C antibody on whole cell lysate of K562 cells.

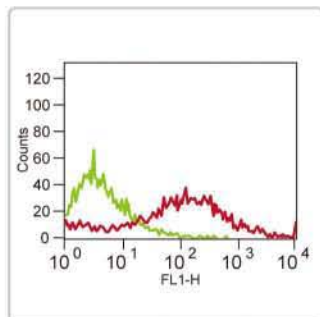


MEF2C antibody (GTX81916)
ICC/IF analysis with MEF2C antibody (green) on HeLa cells.

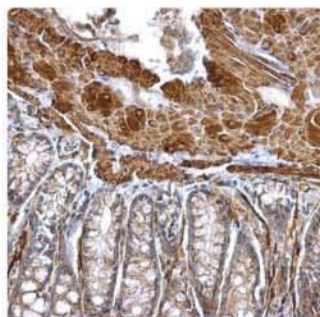
Smooth muscle markers

Conjugated antibodies available for FACS analysis Citation

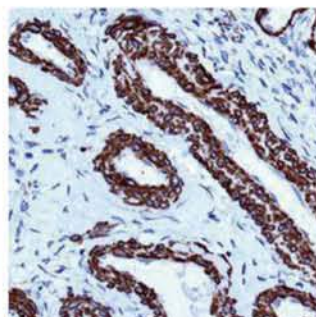
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX81714	Calponin-1 antibody, N-term	Rb pAb	Hu	ELISA, FACS, IHC, IHC-P, WB
GTX20700	Calponin antibody [CALP]	Ms mAb	Hu, Rat	IHC, IHC-Fr, IHC-P
GTX100034	alpha smooth muscle Actin antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
GTX25694	Actin smooth muscle antibody	Rb pAb	Hu, Ms, Cow, Rat, Zfish	ELISA, ICC/IF, IHC, IHC-P, WB
GTX18147	Actin smooth muscle antibody [0.N.5]	Ms mAb	Hu, Ms, Cow, Rat, Bb, Rb	ICC/IF, IHC, IHC-F, IHC-Fr, IHC-P
GTX89701	Smooth muscle alpha-actin antibody, N-term	Gt pAb	Hu, Ms, Pig, Rat	ELISA, ICC/IF, WB
GTX63596	Myosin Heavy Chain 11 antibody [EPR5336(B)]	Rb mAb	Hu	IHC, IHC-P, WB
GTX63472	Myosin Heavy Chain 11 antibody [EPR5335]	Rb mAb	Hu, Ms	IHC, IHC-P, WB
GTX101608	Transgelin antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, WB
GTX113561	Transgelin antibody	Rb pAb	Hu, Ms, Rat, Bov	ICC/IF, IHC-P, WB
GTX628831	Transgelin antibody [GT336]	Ms mAb	Hu, Ms, Rat	WB
GTX89789	TAGLN antibody, C-term	Gt pAb	Hu, Ms, Rat, Rb	ELISA, WB



Calponin-1 antibody, N-term (GTX81714)
Flow cytometry analysis with Calponin-1 antibody on NCI-H292 cells.



alpha smooth muscle Actin antibody (GTX100034)
IHC-P analysis with alpha smooth muscle actin antibody on mouse colon tissue.



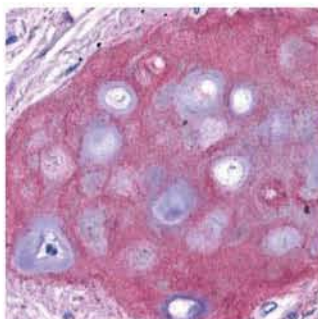
Myosin Heavy Chain 11 antibody [EPR5336(B)] (GTX63596)
IHC-P analysis with Myosin Heavy Chain 11 antibody on human ovarian tissue.

Chondrogenesis markers

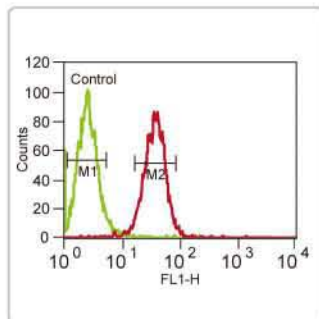
Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX113122	Aggrecan antibody	Rb pAb	Hu	IHC-P, WB
GTX23777	Aggrecan antibody [BC-4]	Ms mAb	Hu, Pig, Rat, Gpig, Hrs	ELISA, IHC-Fr, IHC-P, WB
GTX20179	Aggrecan antibody [HAG7E1]	Ms mAb	Hu	ELISA, IHC-Fr, IP, WB
GTX20300	Collagen II antibody	Rb pAb	Hu, Ms, Cow, Rat, Shp	ELISA, IHC-Fr, IHC-P, IP, WB
GTX44078	Collagen Type II antibody	Rb pAb	Hu	ELISA, ICC/IF, IHC-P, RIA
GTX23092	Collagen II antibody [5B2.5]	Ms mAb	Hu, Ms	ICC/IF, WB
GTX14515	COMP antibody	Rb pAb	Hu, Ms, Rat	WB
GTX81660	COMP antibody, internal	Rb pAb	Hu	ELISA, FACS, IHC, IHC-P, WB
GTX11056	COMP antibody [MA37C94 (HC484D1)]	Rat mAb	Hu	ELISA, IHC-Fr, IHC-P, IP, WB
GTX85289	MATN1 antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC, WB
GTX82760	MATN1 antibody [5A8]	Ms mAb	Hu	ELISA, ICC/IF, WB
GTX109661	SOX9 antibody [N2N3]	Rb pAb	Hu	WB
GTX23697	SOX9 antibody	Rb pAb	Hu, Ms, Chk, Rat, frg	Dot, ELISA, IHC, WB
GTX60536	SOX9 antibody [1B11]	Ms mAb	Hu	ELISA, ICC/IF, WB

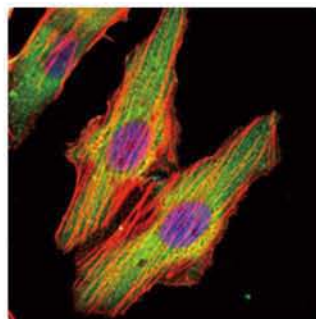
Quality Antibodies • Quality Results



Collagen II antibody (GTX20300)
IHC-P analysis with Collagen II antibody on human bronchiolar cartilage.



COMP antibody, Internal (GTX81660)
Flow cytometry analysis with COMP antibody on Jurkat cells.

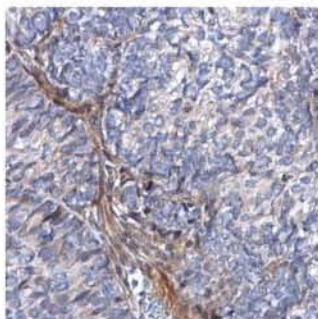


MATN1 antibody [5A8] (GTX82760)
ICC/IF analysis with MATN1 antibody (green) on HeLa cells.

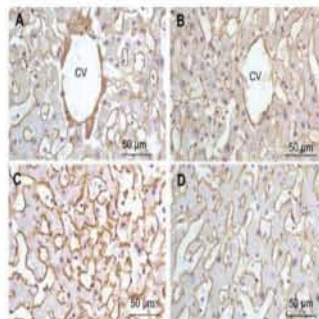
Osteogenesis markers

Conjugated antibodies available for FACS analysis Citation

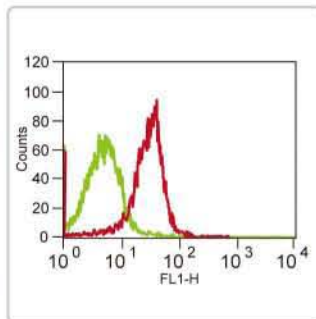
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX112731	COL1A1 antibody [N1N2], N-term	Rb pAb	Hu, Ms	IHC-P, WB
Ⓢ GTX41287	Collagen I antibody	Rb pAb	Rat	ELISA, ICC/IF, RIA
Ⓢ GTX26308	Collagen I antibody [COL-1]	Ms mAb	Hu, Pig, Rat, Deer, Rb	Dot, ELISA, ICC/IF, IHC-Fr
GTX20292	Collagen I antibody	Rb pAb	Hu, Rat	ELISA, IHC-Fr, IHC-P, IP, WB
Ⓢ GTX41286	Collagen I antibody	Rb pAb	Ms	ELISA, ICC/IF, IHC-P, RIA
GTX59724	DMP1 antibody	Rb pAb	Hu, Ms, Rat	WB
GTX88597	DMP1 antibody, Internal	Gt pAb	Hu	ELISA, WB
Ⓢ GTX112794	Fibronectin antibody [N1N2], N-term	Rb pAb	Hu	ICC/IF, IHC-P, IP, WB
GTX37694	Fibronectin antibody	Rb pAb	Hu, Ms, Rat	ELISA, ICC/IF, IHC-P, WB
Ⓢ GTX13418	Osteocalcin antibody [OC4-30]	Ms mAb	Hu, Cow, Dog, Pig, Rat, Goat, Rb, Shp	ELISA, IHC-Fr, IHC-P, WB
GTX13421	Osteocalcin antibody [OCG4]	Ms mAb	Hu, Cow, Dog, Pig, Goat, Rb, Shp	ELISA, IHC-Fr, IHC-P, WB
Ⓢ GTX28448	Osteopontin / SPP1 antibody	Rb pAb	Hu, Ms, Dog, Pig	ELISA, IHC, IHC-P, WB, IHC-Wm
GTX89519	Osteopontin / SPP1 antibody, C-term	Gt pAb	Hu	ELISA, WB
GTX44326	Osteopontin / SPP1 antibody [ID1.2]	Ms mAb	Hu	ELISA, IHC-Fr, IHC-P, RIA, WB
GTX81749	Osteonectin / SPARC antibody, C-term	Rb pAb	Hu	ELISA, FACS, IHC, IHC-P, WB
Ⓢ GTX19528	Osteonectin / SPARC antibody [N50]	Ms mAb	Hu, Cow, Rat	ELISA, IHC-P, RIA, WB



COL1A1 antibody [N1N2], N-term (GTX112731)
IHC-P analysis with COL1A1 antibody on human cervical carcinoma.



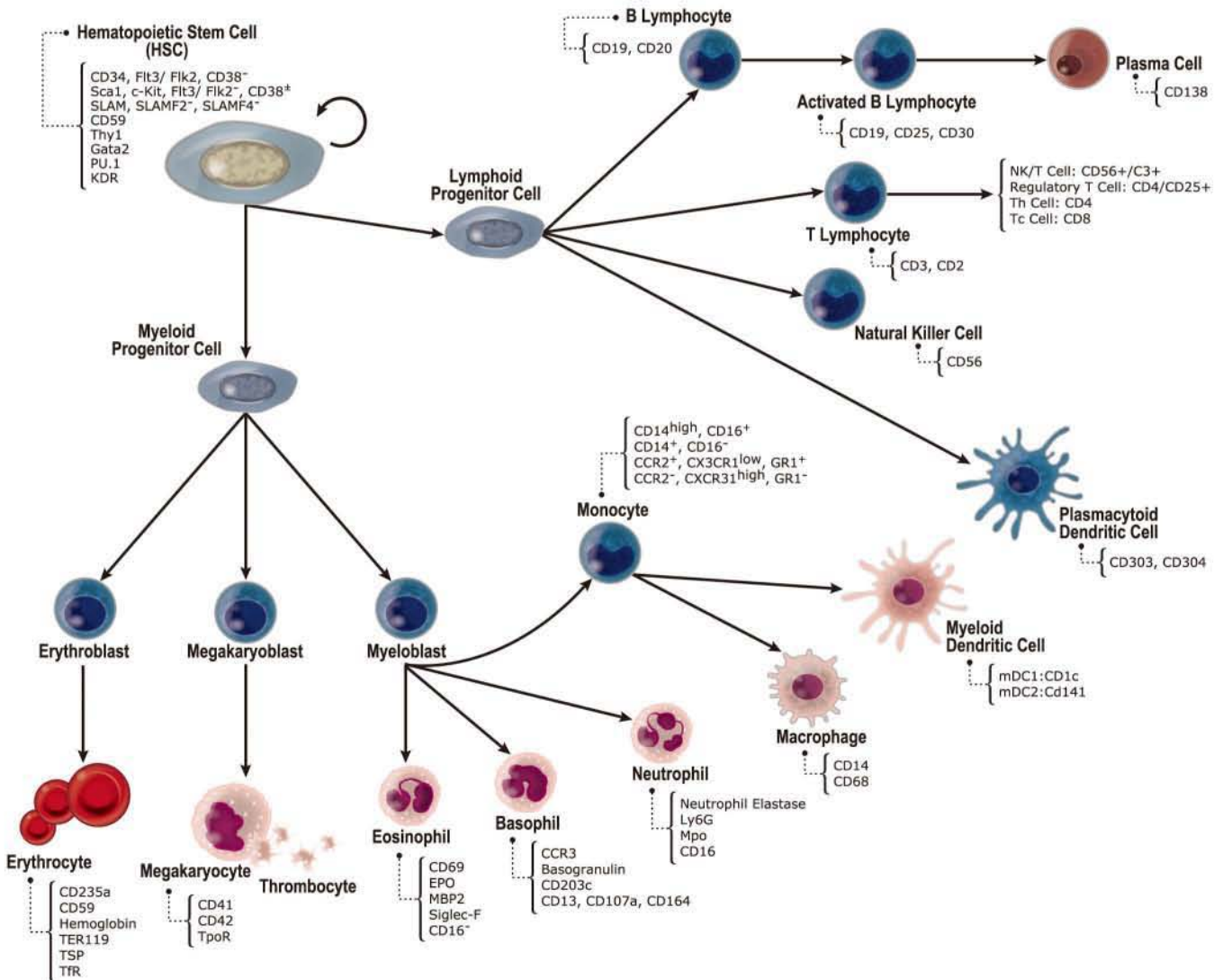
Collagen I antibody (GTX20292)
IHC-P analysis with Collagen I antibody on A) central vein (CV) fibrosis, B) non-fibrotic CV, C) Perisinusoidal fibrosis, and D) Non-fibrotic area.



Osteonectin / SPARC antibody, C-term (GTX81749)
Flow cytometry analysis with SPARC antibody on WiDr cells.
















Hematopoietic Stem Cells (HSCs)

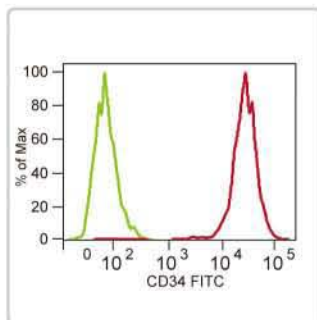
Hematopoietic stem cells (HSCs) are multipotent progenitor cells that give rise to all of the major blood cells, including red blood cells and white blood cells of the lymphoid and myeloid lineages. HSCs reside in the bone marrow of adults. They are functionally defined by their ability to repopulate all of the blood cell types following transplantation.



HSCs surface markers

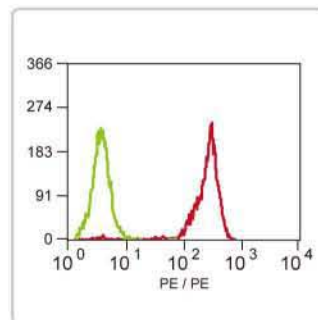
 Conjugated antibodies available for FACS analysis
  Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX111633	CD34 antibody [N1C1]	Rb pAb	Hu	WB
GTX111632	CD34 antibody [N2C3]	Rb pAb	Hu	WB
GTX50754	CD34 antibody	Rb pAb	Hu, Ms, Rat	WB
 GTX20762	CD34 antibody [4H11(APG)]	Ms mAb	Hu	Blocking, FACS, ICC/IF
GTX26330	CD34 antibody [BI-3C5]	Ms mAb	Hu	ICC/IF, IHC-Fr, WB
 GTX28158	CD34 antibody [MEC14.7]	Rat mAb	Hu, Ms	ELISA, FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB
GTX116018	CD45 antibody	Rb pAb	Hu, Ms	ICC/IF, WB
 GTX76584	CD45 antibody [F10-89-4]	Ms mAb	Hu	FACS, IHC-Fr, IHC-P, IP
 GTX76585	CD45 antibody [F10-89-4] (PE)	Ms mAb	Hu	FACS
 GTX28216	CD45 antibody [MEM-28]	Ms mAb	Hu	FACS, ICC/IF, IHC, IHC-P, IP, WB
 GTX44199	CD45 antibody [13/2.3]	Rat mAb	Ms	FACS, IHC-Fr, IP
GTX74599	CD45 antibody [YW 62.3]	Rat mAb	Ms	FACS, IHC-Fr, IP
 GTX76425	CD59 antibody [YTH53.1]	Rat mAb	Hu	Blocking, FACS, IHC-Fr, IHC-P, WB
 GTX74620	CD59 antibody [MEM-43]	Ms mAb	Hu	ELISA, FACS, IHC-Fr, IHC-P, IP, WB
 GTX75849	CD84 antibody [CD84.1.21]	Ms mAb	Hu	FACS, IP
GTX37331	CD93 antibody	Rb pAb	Hu, Ms, Cow, Pig, Rat, Hrs, Shp	ELISA, IHC-P, WB
GTX63452	CD93 antibody [EPR5386]	Rb mAb	Hu, Ms, Rat	FACS, WB
GTX74744	CD93 antibody [X-2]	Ms mAb	Hu	FACS, IHC-Fr, IP
 GTX42395	CD150 antibody [9D1]	Rat mAb	Ms	FACS
GTX63361	SLAM antibody [EPR5470]	Rb mAb	Hu	IP, WB
GTX82992	CDH2 antibody [5D5]	Ms mAb	Hu, Ms, Rat	ELISA, FACS, ICC/IF, IHC, IHC-P, WB
 GTX108370	P Glycoprotein antibody	Rb pAb	Hu	WB
 GTX23364	P Glycoprotein antibody [C219]	Ms mAb	Hu, Ms, Rat, Hm	FACS, ICC/IF, IHC-Fr, IHC-P, IP, WB
 GTX23366	P Glycoprotein antibody [JSB-1]	Ms mAb	Hu, Mamm	ELISA, ICC/IF, IHC-P, IP, WB
GTX107838	TIE2 antibody [C1C3]	Rb pAb	Hu	WB
GTX107505	TIE2 antibody	Rb pAb	Hu	IHC-P, WB
GTX10348	TIE1 antibody	Gt pAb	Hu	ELISA, WB
GTX50432	VEGFR-2 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, IHC-P, WB
 GTX73105	VEGFR-2 antibody	Rb pAb	Hu, Ms, Rat	IHC, IHC-P, WB
 GTX17530	VEGFR-2 antibody	Chk pAb	Hu, Ms, Rat, Bov	IHC, IHC-F, IHC-P, WB
GTX10973	VEGFR-2 antibody [KDR-2 or 260.4]	Ms mAb	Hu	ELISA, IHC, WB
GTX83308	KDR antibody [4B4]	Ms mAb	Hu	ELISA, FACS, ICC/IF, WB



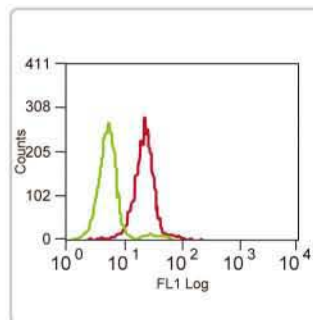
CD34 antibody [4H11(APG)] (GTX20762)

Flow cytometry analysis with CD34 antibody on human acute myelogenous leukemia cell line K_g-1a.



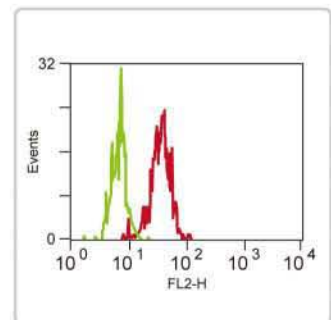
CD45 antibody [F10-89-4] (GTX76584)

Flow cytometry analysis with CD45 antibody on human peripheral blood lymphocytes.



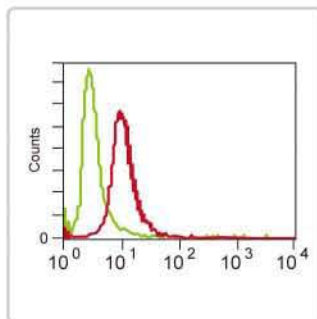
CD59 antibody [YTH53.1] (GTX76425)

Flow cytometry analysis with CD59 antibody on human peripheral blood granulocytes.



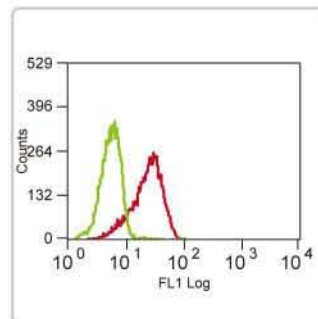
CD84 antibody [CD84.1.21] (GTX75849)

Flow cytometry analysis with CD84 antibody on human peripheral blood monocytes.



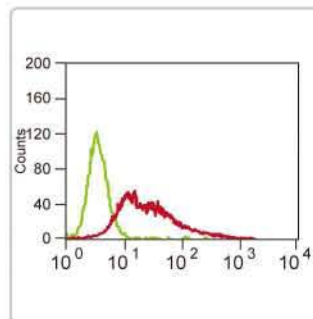
CD93 antibody [EPR5386] (GTX63452)

Flow cytometry analysis with CD93 antibody on THP-1 cells.



CD150 antibody [9D1] (GTX42395)

Flow cytometry analysis with CD150 antibody on mouse thymus.



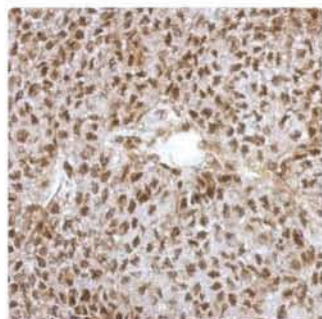
KDR antibody [4B4] (GTX83308)

Flow cytometry analysis with KDR antibody on HepG2 cells.

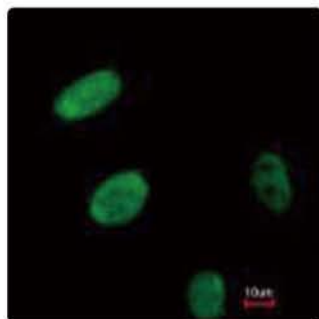
HSCs intracellular markers

Conjugated antibodies available for FACS analysis Citation

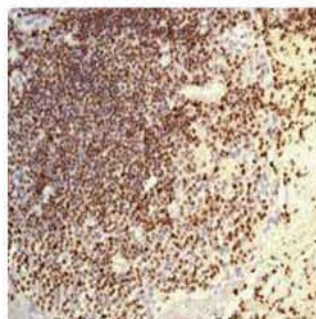
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX114008	Bmi1 antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, IP, WB
GTX102020	Bmi1 antibody	Rb pAb	Hu	IP, WB
GTX48576	Bmi1 antibody	Rb pAb	Hu, Ms	ICC/IF, WB
GTX45791	Bmi1 antibody	Gt pAb	Hu	ELISA, ICC/IF, WB
GTX109511	NFYA antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB
GTX48667	NFYA antibody	Rb pAb	Hu	ELISA, GSA, ICC/IF, IHC, IHC-P, IP, WB
GTX26558	NFYA antibody	Rb pAb	Hu, Ms	ELISA, EMSA, IP, WB
GTX113441	GATA2 antibody	Rb pAb	Hu	ICC/IF, WB
GTX77904	GATA2 antibody	Rb pAb	Hu	IHC, IHC-P, WB
GTX101581	PU.1 antibody [N1C1]	Rb pAb	Hu	IHC-P, WB
GTX62055	PU.1 antibody [EPR3159Y]	Rb mAb	Hu	FACS, ICC/IF, IHC-P, WB
GTX88620	PU.1 antibody, Internal	Gt pAb	Hu	ELISA, WB
GTX128266	Spi1 antibody	Rb pAb	Zfish	IHC-Wm



NFYA antibody (GTX109511)
IHC-P analysis with NFYA antibody on D54 xenograft.



GATA2 antibody (GTX113441)
ICC/IF analysis with GATA2 antibody on HeLa cells.

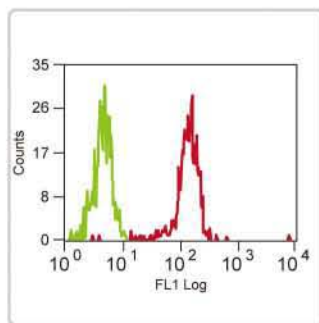


PU.1 antibody [EPR3159Y] (GTX62055)
IHC-P analysis with PU.1 antibody on human tonsils.

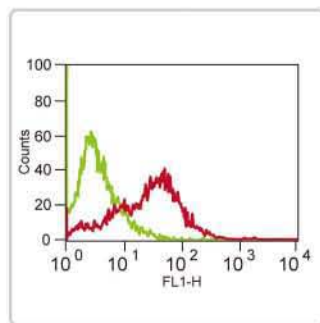
Negative markers of HSCs

Conjugated antibodies available for FACS analysis Citation

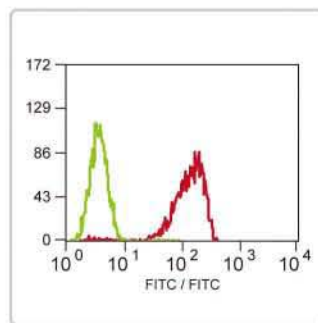
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX74583	CD38 antibody [AT13/5]	Ms mAb	Hu	FACS, IHC-Fr, IP
GTX81962	CD38 antibody, C-term	Rb pAb	Hu	ELISA, FACS, ICC/IF, IHC, IHC-P, WB
GTX22577	CD38 antibody [HIT2]	Ms mAb	Hu	FACS, IHC-Fr, WB
GTX75086	CD38 antibody [90]	Rat mAb	Ms	FACS, IHC-Fr, IP
GTX60202	CD48 antibody	Rb pAb	Ms, Rat	ELISA, ICC/IF, IHC-F, IHC-P, IP, WB
GTX63034	CD48 antibody [EPR4108]	Rb mAb	Hu	IHC-P, IP, WB
GTX29185	CD48 antibody [MEM-102]	Ms mAb	Hu, NHuPrrn	FACS, IHC-P, IP, WB
GTX42216	CD244 antibody [2B4.69]	Ms mAb	Hu	FACS, IP
GTX52521	CD244 antibody [7D24]	Ms mAb	Hu	WB



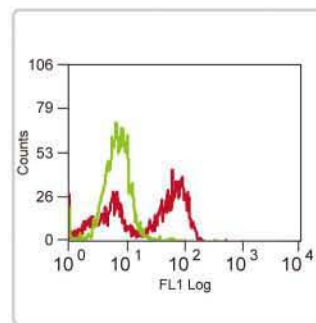
CD38 antibody [AT13/5] (GTX74583)
Flow cytometry analysis with CD38 antibody on human peripheral blood monocytes.



CD38 antibody, C-term (GTX81962)
Flow cytometry analysis with CD38 antibody on HepG2 cells.



CD48 antibody [MEM-102] (GTX29185)
Flow cytometry analysis with CD48 antibody on human peripheral blood lymphocytes.



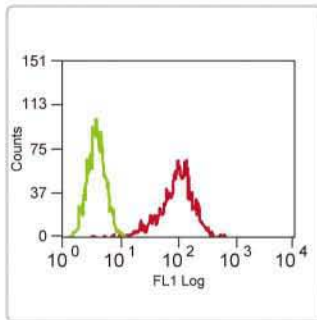
CD244 antibody [2B4.69] (GTX42216)
Flow cytometry analysis with CD244 antibody on human peripheral blood lymphocytes.

Hematopoietic markers

Erythrocyte markers

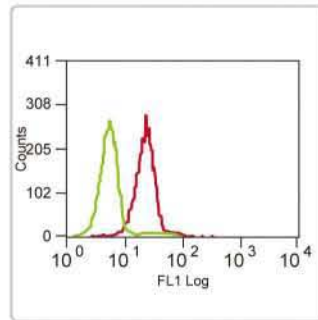
Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX113170	CD55 antibody [N1C2]	Rb pAb	Hu	ICC/IF, WB
GTX103951	CD55 antibody [N2C3]	Rb pAb	Hu	ICC/IF, WB
GTX111647	CD55 antibody [N2C3-2]	Rb pAb	Hu	WB
GTX75213	CD55 antibody [67]	Ms mAb	Hu	FACS, IHC-Fr
GTX21422	CD55 antibody [MEM-118]	Ms mAb	Hu, NHuPmm	FACS, IP
GTX74620	CD59 antibody [MEM-43]	Ms mAb	Hu	ELISA, FACS, IHC-Fr, IHC-P, IP, WB
GTX29183	CD59 antibody [MEM-43/5]	Ms mAb	Hu, Ms	FACS, IP, WB
GTX76425	CD59 antibody [YTH53.1]	Rat mAb	Hu	Blocking, FACS, IHC-Fr, IHC-P, WB
GTX102596	CD71 antibody [N2C1], Internal	Rb pAb	Hu, Ms	IHC-P, WB
GTX74606	CD71 antibody [YTA 74.4]	Rat mAb	Ms	FACS, IHC-Fr, IP
GTX21823	TSP antibody [A6.1]	Ms mAb	Hu, Ms, Cow, Dog, Pig, Rat, Hrs, Shp	ICC/IF, IHC, IHC-Fr, IHC-P, IP, Neut, WB
GTX73136	TSP antibody	Rb pAb	Hu, Ms, Cow	ICC/IF, IP, WB
GTX100300	Glycophorin A antibody [C1C3]	Rb pAb	Hu	IHC-P, WB
GTX89457	Glycophorin A antibody, C-term	Gt pAb	Hu	ELISA, IHC, IHC-P, WB
GTX76244	CD235a antibody [YTH89.1]	Rat mAb	Hu	FACS, IHC-Fr, IHC-P, CTA



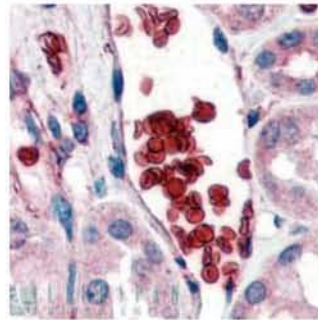
CD55 antibody [67] (GTX75213)

Flow cytometry analysis with CD55 antibody on human peripheral blood lymphocytes.



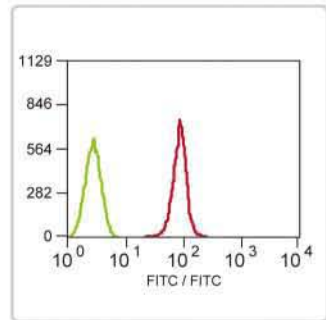
CD59 antibody [YTH53.1] (GTX76425)

Flow cytometry analysis with CD59 antibody on human peripheral blood granulocytes.



Glycophorin A antibody, C-term (GTX89457)

IHC-P analysis with Glycophorin A antibody on human kidney.



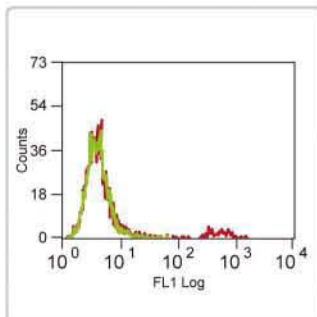
CD235a antibody [YTH89.1] (GTX76244)

Flow cytometry analysis with CD235a antibody on human peripheral blood erythrocytes.

Thrombocyte markers

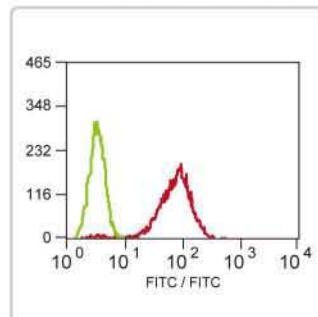
Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX76011	CD41 antibody [MWRReg30]	Rat mAb	Ms	FACS, IHC-Fr, IP
GTX76010	CD41 antibody [MWRReg30] (FITC)	Rat mAb	Ms	FACS
GTX74779	CD42a antibody [GR-P]	Ms mAb	Hu	FACS, IP
GTX76455	CD42b antibody [AK2]	Ms mAb	Hu	FACS
GTX113355	CD42c antibody [N2C2], Internal	Rb pAb	Hu	WB
GTX113758	Integrin alpha 2b antibody [N2C1], Internal	Rb pAb	Hu	IHC-P, WB
GTX22211	Integrin alpha 2b antibody [MEM-06]	Ms mAb	Hu	FACS, WB
GTX50435	Integrin beta 3 antibody	Rb pAb	Hu, Ms	IHC, IHC-P, WB
GTX40146	Integrin beta 3 antibody [MHF4]	Ms mAb	Hu, Ms, Rat	FACS, IHC-Fr, IHC-P, IP
GTX16822	Integrin alpha 2b + beta 3 antibody [290.5C10]	Ms mAb	Hu	ELISA, FACS, IHC-P, IP, WB
GTX62707	TPOR antibody [EPR4194]	Rb mAb	Hu, Ms, Rat	FACS, WB



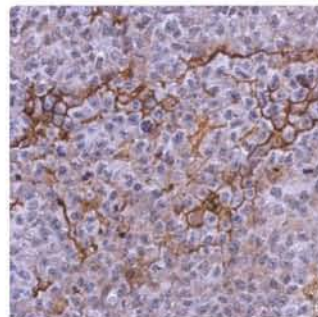
CD41 antibody [MWRReg30] (GTX76011)

Flow cytometry analysis with CD41 antibody on mouse peripheral blood.



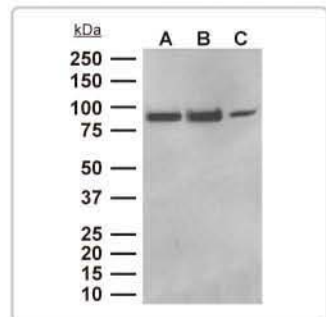
CD42a antibody [GR-P] (GTX74779)

Flow cytometry analysis with CD42a antibody on human peripheral blood platelets.



Integrin alpha 2b antibody [N2C1], Internal (GTX113758)

IHC-P analysis with Integrin alpha 2b antibody on PC13 xenograft.



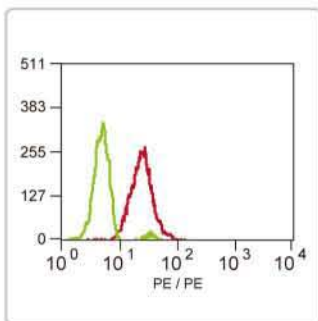
TPOR antibody [EPR4194] (GTX62707)

WB analysis with TPOR antibody on lysates of A) HepG2 cells, B) A431 cells, and C) human marrow.

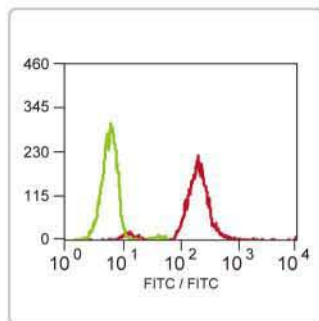
Leukocyte markers

Conjugated antibodies available for FACS analysis Citation

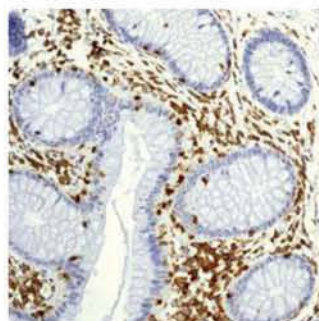
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX75792	CD18 antibody [MEM-148]	Ms mAb	Hu	FACS, IP, WB, Functional Assay
GTX20657	CD18 antibody [MEM-48]	Ms mAb	Hu, Ms	FACS, IHC-Fr, IHC-P, IP, WB
GTX80044	CD18 antibody [M18/2]	Rat mAb	Ms	FACS, IHC-Fr, IHC-P, IP, WB, Functional Assay
GTX76238	CD18 antibody [YFC118.3]	Rat mAb	Hu, Dog	FACS, IHC-Fr, IP
GTX74602	CD18 antibody [YTS 213.1]	Rat mAb	Ms	FACS, IHC, IHC-Fr, IP
GTX116018	CD45 antibody	Rb pAb	Hu, Ms	ICC/IF, WB
GTX628507	CD45 antibody [GT0014]	Ms mAb	Hu	FACS, ICC/IF
GTX76584	CD45 antibody [F10-89-4]	Ms mAb	Hu	FACS, IHC-Fr, IHC-P, IP
GTX44199	CD45 antibody [13/2.3]	Rat mAb	Ms	FACS, IHC-Fr, IP
GTX74961	CD45 antibody [IBL-3/16]	Rat mAb	Ms	FACS, IHC-Fr, IP
GTX114533	LSP1 antibody [N2C3]	Rb pAb	Hu	WB
GTX63432	LSP1 antibody [EPR5997]	Rb mAb	Hu, Ms, Rat	ICC/IF, IHC, IHC-P, WB
GTX88185	LSP1 antibody, C-term	Gt pAb	Hu, Ms, Rat	ELISA, WB
GTX75318	MPO antibody [2C7]	Ms mAb	Hu	FACS, IHC, IHC-Fr, IHC-P
GTX29535	MPO antibody	Rb pAb	Hu, Rat	ICC/IF, IHC-Fr, IHC-P



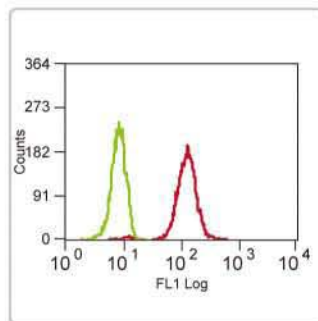
CD18 antibody [MEM-148] (GTX75792)
Flow cytometry analysis with CD18 antibody on human peripheral blood granulocytes.



CD18 antibody [YFC118.3] (GTX76238)
Flow cytometry analysis with CD18 antibody on human peripheral blood granulocytes.



LSP1 antibody [EPR5997] (GTX63432)
IHC-P analysis with LSP1 antibody on human colon tissue.



MPO antibody [2C7] (GTX75318)
Flow cytometry analysis with MPO antibody on human peripheral blood granulocytes.

Neutrophil markers

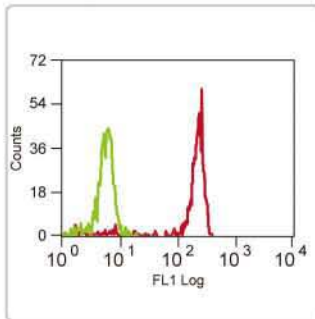
Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX113175	Neutrophil elastase antibody [N2C3]	Rb pAb	Hu	WB
GTX72042	Neutrophil elastase antibody [NP57]	Ms mAb	Hu	IHC, IHC-Fr, IHC-P
GTX40265	Neutrophil elastase antibody	Rb pAb	Hu	ELISA
GTX53153	Ly6g antibody [6D17]	Rat mAb	Ms	FACS, IHC
GTX79897	Ly6G antibody [RB6-8C5] (Functional Grade)	Rat mAb	Ms	FACS, IHC-Fr, IHC-P, IP, WB, Functional Assay
GTX37497	Ly-6G antibody	Rb pAb	Ms	ICC/IF, WB

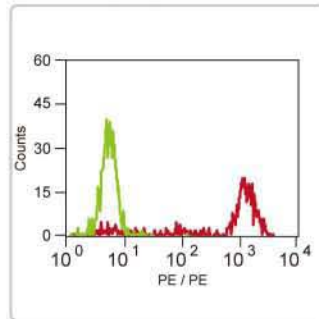
Macrophage markers

Conjugated antibodies available for FACS analysis Citation

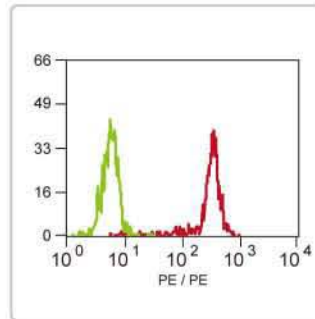
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX112890	CD14 antibody [N2C3]	Rb pAb	Hu	IHC-P, WB
GTX101342	CD14 antibody [N1N3]	Rb pAb	Hu	WB
GTX42422	CD14 antibody [TK4]	Ms mAb	Hu, Cow, Dog, Pig, Cat, Goat, Mink, Rb, Shp, CLMK, Lma	ELISA, FACS, WB, Functional Assay
GTX28103	CD14 antibody [MEM-18]	Ms mAb	Hu, Mk, NHuPrm	ELISA, FACS, IP, WB
GTX76342	CD14 antibody [UCHM1]	Ms mAb	Mk	FACS, IHC-Fr, IP
GTX76486	CD64 antibody [10.1]	Ms mAb	Hu, Mk, Bb	Blocking, FACS, ICC/IF, Functional Assay
GTX52722	CD64 antibody [2Y31]	Ms mAb	Hu	FACS, IHC
GTX101866	CD68 antibody	Rb pAb	Hu	WB
GTX61723	CD68 antibody [EPR1392Y]	Rb mAb	Hu, Ms, Rat	ICC/IF, WB
GTX41868	CD68 antibody [ED1]	Ms mAb	Rat	FACS, ICC/IF, IHC, IHC-Fr, IHC-P, IP, WB
GTX75389	CD68 antibody [514H12]	Ms mAb	Hu	ICC/IF, IHC-Fr, IHC-P
GTX41864	CD68 antibody [FA-11]	Rat mAb	Ms	FACS, ICC/IF, IHC, IHC-Fr, IHC-P, IP, WB



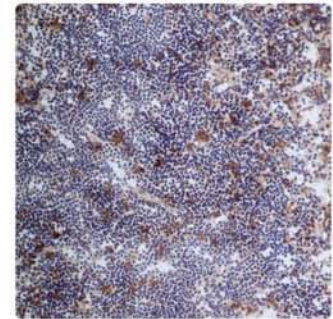
CD14 antibody [TK4] (GTX42422)
Flow cytometry analysis with CD14 antibody on human peripheral blood monocytes.



CD14 antibody [UCHM1] (GTX76342)
Flow cytometry analysis with CD14 antibody on human peripheral blood monocytes.



CD64 antibody [10.1] (GTX76486)
Flow cytometry analysis with CD68 antibody on human peripheral blood monocytes.



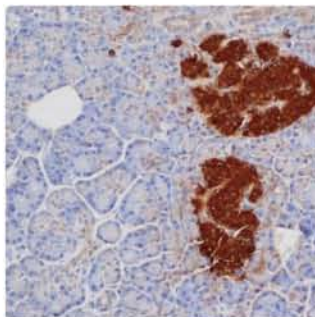
CD68 antibody [FA-11] (GTX41864)
IHC-Fr analysis with CD68 antibody on mouse spleen tissue.

Endodermal Lineage

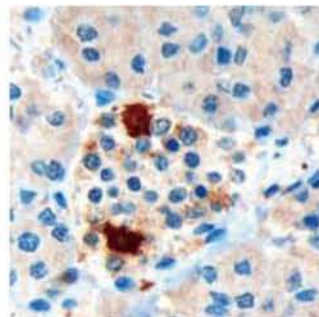
Pancreatic islet cell markers

Conjugated antibodies available for FACS analysis Citation

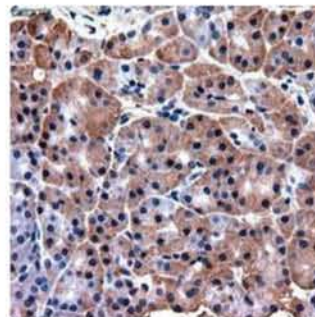
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX112806	Glucagon antibody [N1C3-2]	Rb pAb	Hu	WB
GTX18461	Glucagon antibody	Rb pAb	Hu, Ms, Rat, Mamm	IHC, IHC-P
Conjugated GTX10988	Glucagon antibody [K79bB10]	Ms mAb	Hu, Ms, Dog, Pig, Rat, Cat, Gpig, Rb	Dot, ICC/IF, IHC, RIA
GTX39370	Insulin antibody [2D11]	Ms mAb	Hu, Cow, Pig	ELISA, IHC-P
GTX27760	Insulin antibody [IN-05]	Ms mAb	Hu, Cow, Pig	ELISA, ICC/IF, IHC-P, RIA
GTX28305	Insulin & Proinsulin antibody [D3E7]	Ms mAb	Hu, Ms, Cow, Pig, Rat	ELISA, IHC-Fr
GTX28301	Proinsulin antibody [3A1]	Ms mAb	Hu	ELISA, ICC/IF, IHC-Fr, IHC-P, RIA
Conjugated GTX27842	Insulin antibody	Guinea pig pAb	Hu, Ms	ICC/IF, IHC-Fr, IHC-P
GTX128490	Ins antibody	Rb pAb	Zfsh	IHC-Wm
GTX128056	Pancreatic polypeptide antibody	Rb pAb	Hu	WB
GTX628832	Pancreatic polypeptide antibody [GT6512]	Ms mAb	Hu	WB
GTX629070	Pancreatic Polypeptide antibody [GT327]	Ms mAb	Hu	WB
GTX89539	Pancreatic Polypeptide / PPY antibody, Internal	Gt pAb	Hu, Ms	ELISA, IHC, IHC-P
GTX81324	PDX1 antibody, N-term	Rb pAb	Hu	ELISA, IHC, IHC-P, WB
GTX83919	Pdx1 antibody [2A12]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
Conjugated GTX71935	Somatostatin antibody [SOM-018]	Ms mAb	Hu, Ms, Rat	ICC/IF, IHC-Fr, IHC-P
GTX39061	Somatostatin antibody [YC7]	Rat mAb	Hu, Ms, Pig, Rat, Gpig	IHC-Fr, IHC-P
Conjugated GTX112826	Cytokeratin 19 antibody [N1C1]	Rb pAb	Hu	ICC/IF, IHC-P, WB
Conjugated GTX112666	Cytokeratin 19 antibody [N2C3]	Rb pAb	Hu	ICC/IF, IHC-P, WB
Conjugated GTX27755	Cytokeratin 19 antibody [BA-17]	Ms mAb	Hu, Ms	FACS, ICC/IF, IHC-P, IP, WB
GTX84251	CK19 antibody [3F8]	Ms mAb	Hu, Dog, Mk, Rat	ICC/IF, IHC, IHC-P, WB



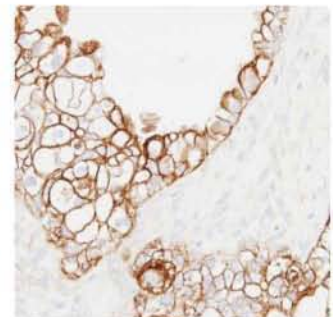
Insulin antibody [2D11] (GTX39370)
IHC-P analysis with Insulin antibody on human pancreas.



Pancreatic Polypeptide / PPY antibody, Internal (GTX89539)
IHC-P analysis with PPY antibody on human pancreas.



Pdx1 antibody [2A12] (GTX83919)
IHC-P analysis with Pdx1 antibody on human pancreas.



Cytokeratin 19 antibody [N1C1] (GTX112826)
IHC-P analysis with CK19 antibody on OVCA xenograft.

Hepatocyte markers

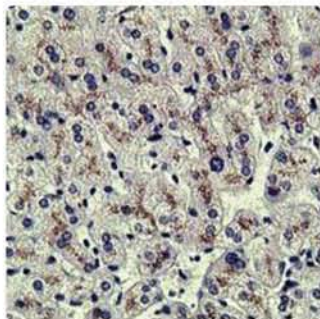
Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX19529	alpha Fetoprotein antibody	Rb pAb	Hu	ELISA
GTX84954	AFP antibody [2A9]	Ms mAb	Hu, Dog, Mk	FACS, ICC/IF, IHC, IHC-P, WB
GTX23980	alpha 1 Fetoprotein antibody [AFP-01]	Ms mAb	Hu	ELISA, IP, WB
GTX102419	Human Serum Albumin antibody	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB
GTX84904	ALB antibody [2F11]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
GTX84902	ALB antibody [4D8]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
GTX74141	Human Albumin antibody	Shp pAb	Hu, Ms, Cow, Dog, Pig, Rat, Cat, Gpig, Hrs, Rb	ID, WB

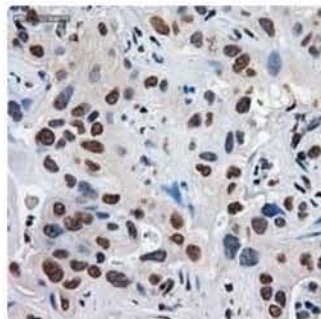
Intestinal cell markers

Conjugated antibodies available for FACS analysis Citation

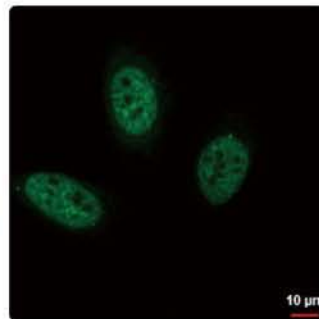
Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX108356	HES1 antibody [N1], N-term	Rb pAb	Hu, Ms, Rat	ICC/IF, IP, WB
GTX84375	HES1 antibody [4H1]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
GTX100371	LGR5 antibody [C3], C-term	Rb pAb	Hu, Ms	IHC-P, WB
GTX113037	LGR5 antibody	Rb pAb	Hu	WB
GTX71143	LGR5 antibody	Rb pAb	Hu, Ms, Rat	IHC
GTX101540	MSI1 antibody [N3C3]	Rb pAb	Hu, Ms	ICC/IF, WB
GTX78273	Musashi 1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC, WB



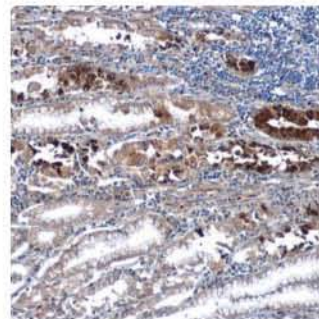
AFP antibody [2A9] (GTX84954)
IHC-P analysis with AFP antibody on human liver.



Albumin antibody [2F11] (GTX84904)
IHC-P analysis with Albumin antibody on human liver.



HES1 antibody [N1], N-term (GTX108356)
ICC/IF analysis with HES1 antibody on HeLa cells.



LGR5 antibody [C3], C-term (GTX100371)
IHC-P analysis with LGR5 antibody on human gastric carcinoma.

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Cancer Stem Cells (CSCs)

CSCs surface markers

Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX63166	CD47 antibody [EPR4150(2)]	Rb mAb	Hu, Ms, Rat	FACS, WB
GTX44592	CD47 antibody [1/1A4]	Ms mAb	Hu	FACS, IHC-Fr, IP
GTX72398	CD47 antibody [B6H12.2]	Ms mAb	Hu	FACS, ICC/IF, IP
GTX29089	CD47 antibody [MEM-122]	Ms mAb	Hu, Mk, Pig, NHuPm	FACS, IHC-Fr, WB
GTX113091	EpCAM antibody [N3C3]	Rb pAb	Hu	IHC-P, WB
GTX28667	EpCAM antibody [VU-1D9]	Ms mAb	Hu	FACS, ICC/IF, IHC-Fr, IHC-P, WB
GTX84574	EpCAM antibody [4G10]	Ms mAb	Hu	ICC/IF, IHC, IHC-P, WB
GTX80323	EPCAM antibody [G8.8]	Rat mAb	Ms	IHC, IP, WB

ABCG2 refers to page 05

CD24 refers to page 06

CD44 refers to page 12

CD49f refers to page 06

CD90 refers to page 15

CD117 refers to page 15

CXCR4 refers to page 09

LGR5 refers to page 28

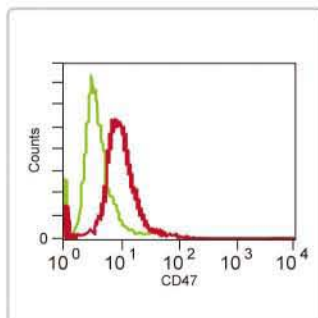
CSCs intracellular markers

Conjugated antibodies available for FACS analysis Citation

Cat. No.	Product	Host & Clonality	Reactivity	Application
GTX100043	ALDH1A1 antibody [C3], C-term	Rb pAb	Hu, Ms	ICC/IF, IHC-P, WB
GTX123973	ALDH1A1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
GTX123426	ALDH1A1 antibody	Rb pAb	Hu, Ms, Rat	ICC/IF, IHC-P, WB
GTX82775	ALDH1A1 antibody [5A11]	Ms mAb	Hu	ELISA, IHC, IHC-P, WB
GTX90658	ALDH1A1 antibody, C-term	Gt pAb	Hu, Ms, Rat	ELISA, WB
GTX124274	Gli1 antibody	Rb pAb	Hu, Ms	IHC-P, WB
GTX124273	Gli1 antibody	Rb pAb	Ms	WB
GTX27523	Gli1 antibody	Rb pAb	Hu, Ms	ELISA, ICC/IF, IHC, IHC-P, WB
GTX27195	Gli2 antibody	Rb pAb	Hu, Ms, Rat	ELISA, IHC, IHC-P, WB
GTX46056	Gli2 antibody	Rb pAb	Hu	IHC, IHC-P, WB

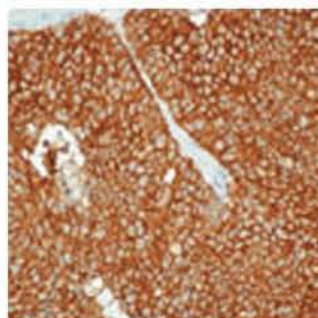
Bmi refers to page 24

Nestin refers to page 10



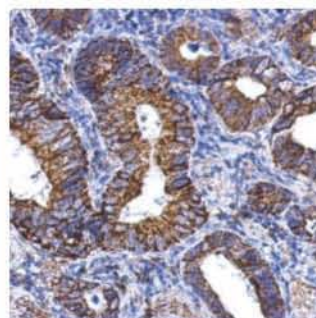
CD47 antibody [EPR4150(2)] (GTX63166)

Flow cytometry analysis with CD47 antibody on Jurkat cells.



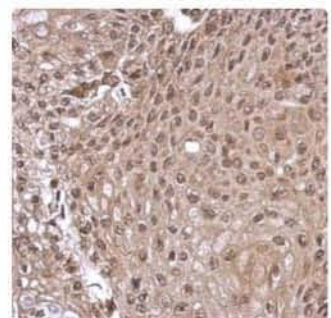
EpCAM antibody [VU-1D9] (GTX28667)

IHC-P analysis with EpCAM antibody on human breast cancer.



ALDH1A1 antibody (GTX123973)

IHC-P analysis with ALDH1A1 antibody on human gastric carcinoma.



Gli1 antibody (GTX124274)

IHC-P analysis with Gli1 antibody on Cal27 xenograft.

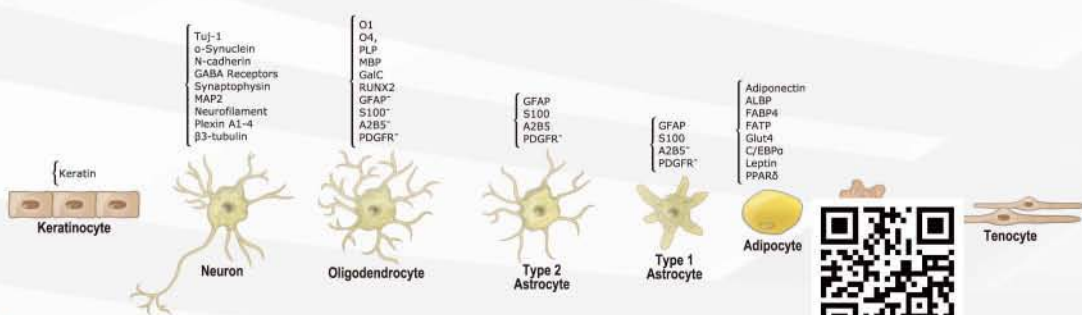


International

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