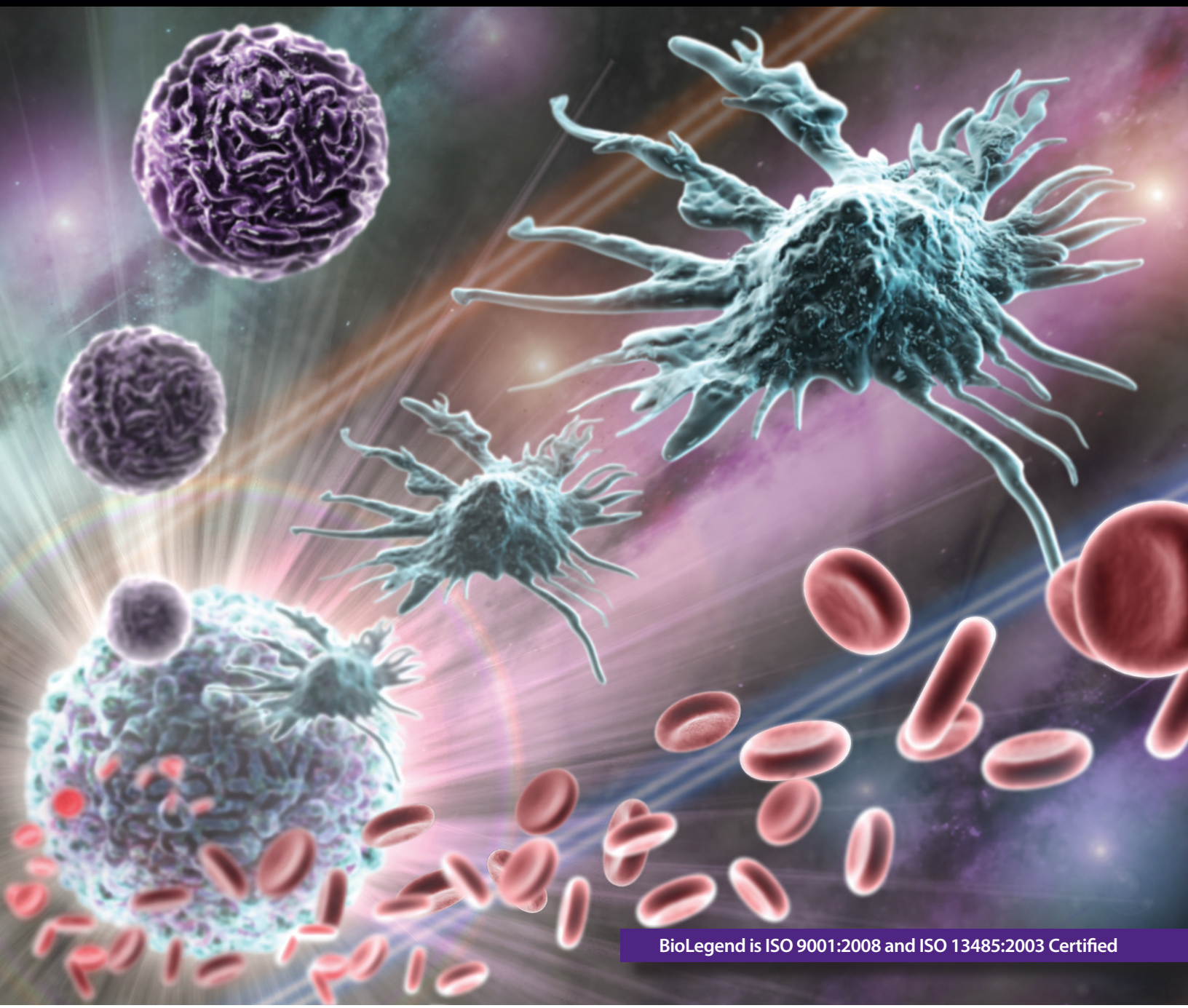
Assays and Reagents for

Stem Cell Research



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Introduction

Stem cell biology has emerged as one of the most significant fields in contemporary science. Stem cells give rise to every other cell in the body and possess the ability to both self-renew and differentiate. In addition, scientists have been able to reprogram or induce the creation of pluripotent stem cells to further expand the possibilities in translational medicine. BioLegend offers a variety of stem cell-focused reagents for flow cytometry, cell screening, western blotting, ELISAs, cell differentation, and more.

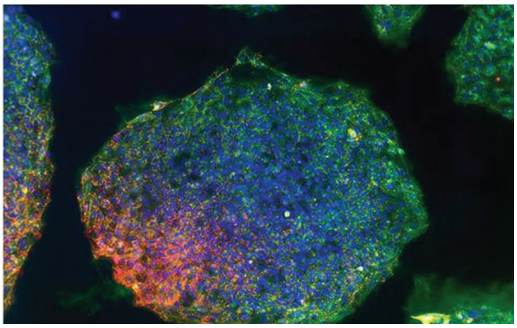
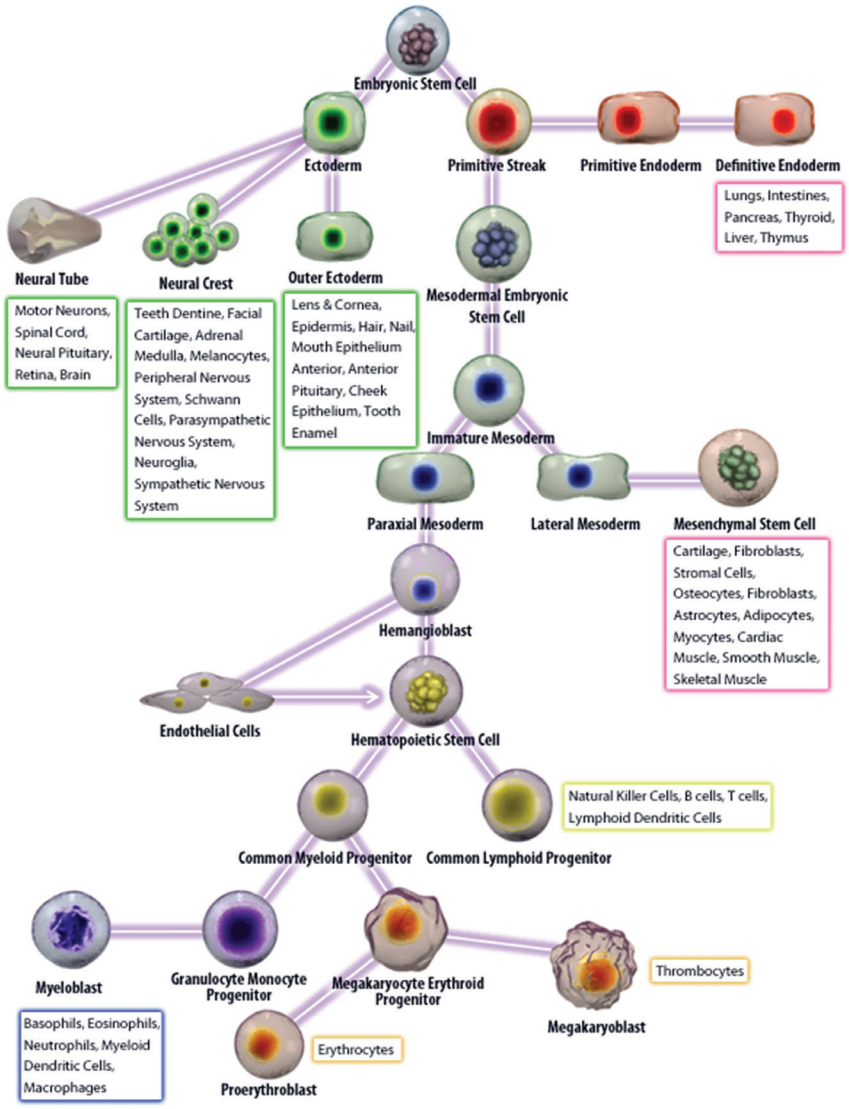


Image of frozen, human induced pluripotent stem cells provided courtesy of Dr. Deepak Srivastava's lab.

As shown below, stem cells can give rise to any cell in the body. In fact, some researchers have even shown a single stem cell transplant could reconstitute a mouse's entire hematopoietic system.[1] And given that these cells can also generate rare and valuable islet cells, neurons, and smooth muscle cells, there is immeasurable potential for therapies using stem cells.



See what stem cells are capable of: **biolegend.com/stemcell**

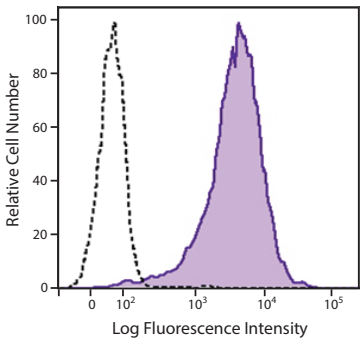
Explore interactive stem cell pathways: **biolegend.com/pathways/stemcell**

1. Osawa, M. *et al*. 1996. *Science*. 273:242.

Product Highlights

c-Kit (CD117)

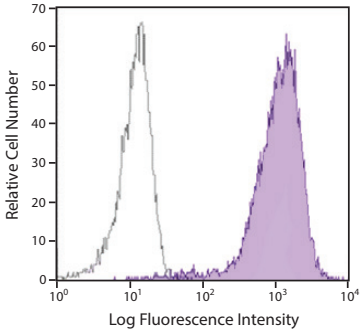
CD117 is a 145 kD protein tyrosine kinase also known as c-Kit. It is a receptor for stem cell factor or c-Kit ligand. CD117 is expressed on pluripotent hematopoietic progenitor cells (approximately 1-4% bone marrow cells), mast cells, and acute myeloid leukemia cells (AML). CD117 binding of c-Kit ligand induces phosphorylation of CD117 and stimulates proliferation and survival of primitive hematopoietic stem cells, as well as erythroid-committed and granulo-monocytic-committed cells.



Human erythroleukemia cell line (HEL) was stained with CD117 (clone 104D2) Brilliant Violet 421™ (filled histogram) or mouse IgG_1, κ Brilliant Violet 421™ isotype control (open histogram).

Notch 1

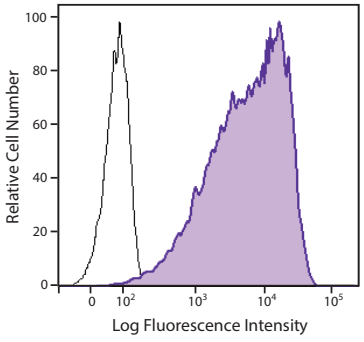
Notch 1, also known as TAN-1, is a transmembrane protein that regulates the development, differentiation, and survival of a broad spectrum of cell lineages. It is involved in myogenesis, neurogenesis, gliogenesis, and lymphocyte development, resulting in Notch 1 expression in many organs like the brain, thymus, spleen, bone marrow, and heart. Notch 1 ligands are Jagged 1, Jagged 2, Delta 1, and Delta 4. Upon ligand binding, the intracellular domain of Notch 1 is cleaved and translocates to the cell nucleus, where it forms a transcriptional activator complex with RBP-J κ.



Human Notch 1 transfected CHO cells were stained with Notch 1 (clone MHN1-519) APC (filled histogram) or mouse IgG_1, κ APC isotype control (open histogram).

SSEA-1 (CD15)

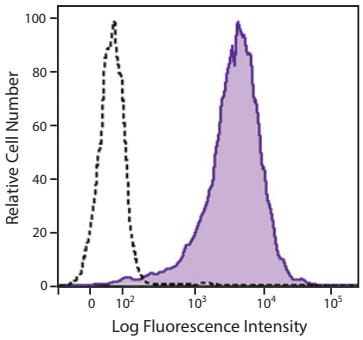
SSEA-1 (Stage-Specific Embryonic Antigen-1) is a Lewis blood group-related carbohydrate antigen, also known as X-hapten, Lewis X, 3-fucosyl-N-acetyllactosamine, or CD15. In mice, SSEA-1 is expressed on embryonic stem cells (ES), embryonal carcinoma cells (EC), 8-cell to blastocyst embryos, and a subset of embryonic inner cell mass, decreasing upon differentiation. In humans, however, SSEA-1 is not found on undifferentiated ES cells, but its expression is upregulated along with differentiation (including on granulocytes). It has been reported that SSEA-1 plays a role in cell adhesion and regulation of cell differentiation.



F9 cells (mouse embryonic carcinoma cell line) were stained with anti-mouse/human SSEA-1 (clone MC-480, filled histogram) FITC or mouse IgM FITC isotype control (open histogram).

SSEA-5

Stage-Specific Embryonic Antigen-5 (SSEA-5) is an oligosaccharide that contains the motif Fuc1-2Galβ1-3GlcNAcβ, which is characteristic of H-1 antigens. SSEA-5 is expressed on undifferentiated embryonic stem cells and pluripotent stem cells. It is developmentally regulated, and its expression is lost with cell differentiation.

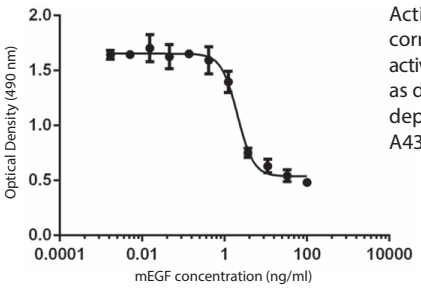


Human teratocarcinoma cell line, NCCIT, was stained with SSEA-5 (clone 8e11) PE (filled histogram) or mouse IgG_1, κ PE isotype control (open histogram).

Product Highlights

EGF

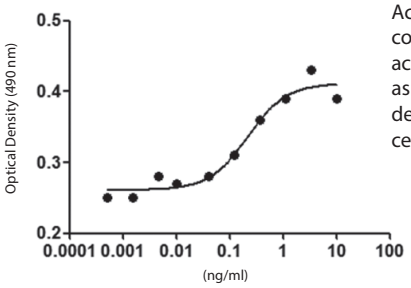
Human and mouse epidermal growth factor (EGF) share 70% homology in amino acid structure. Many different cells (mammary gland cells, macrophages, gut epithelial cells, and cells in the nervous system and the kidney) can produce EGF. EGF plays important roles in the regulation of cell survival, proliferation, and differentiation by binding to its receptor, EGFR. For example, EGF can stimulate the proliferation of mouse embryonic stem cells or induce the terminal differentiation/growth inhibition of A431 cells. Blocking of the EGF/EGFR pathway can suppress some tumor cells' proliferation.



Activity: ED_{50} is 1-2 ng/ml, corresponding to a specific activity 5 x 10^5 - 1 x 10^6 units/mg, as determined by a dose-dependent inhibition on A431 cells proliferation.

EPO

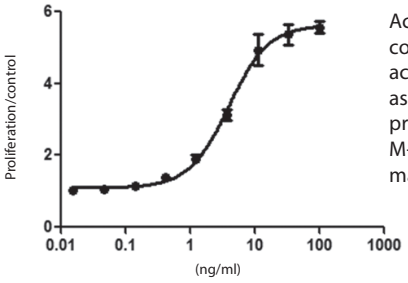
Erythropoietin (EPO) is a glycoprotein composed of 40-60% carbohydrates, making its molecular weight vary from 30-34 kD. Hypoxia induces erythropoiesis, and hypoxia inducible factor (HIF) is directly involved in EPO expression. High levels of HIF protein induce EPO production in the kidney and liver, and mobilization of iron to support erythropoiesis. EPO binds to the EPOR. EPO has been used in the treatment of anemia associated with chronic kidney disease, in cancer patients on chemotherapy, and in antiviral HIV therapy.



Activity: ED_{50} = 0.2 - 1 ng/ml, corresponding to a specific activity of 1 - 5 x 10^6 units/mg, as determined by the dose dependent stimulation of TF-1 cells proliferation.

M-CSF

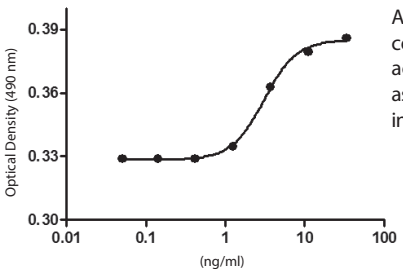
M-CSF was first characterized as a glycoprotein that induced monocyte and macrophage colony formation from precursors in murine bone marrow cultures. M-CSF binds $CD14^+$ monocytes and promotes the survival/proliferation of peripheral blood monocytes. In addition, M-CSF enhances inducible monocyte functions including phagocytic activity, microbial killing, and cytotoxicity for tumor cells. It also induces the synthesis of inflammatory cytokines such as IL-1, TNF-α, and IFN-γ in monocytes.



Activity: ED_{50} =2 - 6 ng/ml, corresponding to a specific activity of 1.6 - 5 x 10^5 units/mg, as determined by M-NFS60 cell proliferation induced by mouse M-CSF in a dose-dependent manner.

SCF

SCF (KITL) is a hematopoietic growth factor, and it can synergize with other cytokines to stimulate growth of hemopoietic progenitors *in vitro* and blood cell production *in vivo*. SCF is encoded by Sl ('steel'), a gene critical to the development of several distinct cell lineages during embryonic life. KITL is generated by proteolytic cleavage from a transmembrane precursor. Two splice variants have been described for KITL, and proteolytic processing of both transmembrane protein products occurs on the cell surface. Gain-of-function KIT mutations and dysregulation of its signaling contribute to the genesis of many cancers.



Activity: ED_{50} =3 -12 ng/ml, corresponding to a specific activity of 0.8 - 3.3 x 10^5 units/mg, as determined by TF-1 cell proliferation induced in a dose- dependent manner.

LEGENDScreen™ Human and Mouse Cell Screening Kits

As the research in stem cells has expanded, so too has the need for useful and comprehensive tools for their analysis. In particular, scientists need a quick method for screening both primary cells (splenocytes, bone marrow-derived cells, etc.) and cell lines for a large variety of cell surface markers. LEGENDScreen™ kits are made to aid researchers in this endeavor.

Why choose LEGENDScreen™?

- Large selection of cell surface markers per kit –
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Cell Screening Assays		
	Human Cat. No.	**Mouse Cat. No.**
LEGENDScreen™	700001	700003

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Stem Cell Related Products

Flow Cytometry Antibodies

Specificity	**Clone** (*Human*)	**Clone** (*Mouse*)	**Clone** (*Rat*)
CD7	CD7-6B7	-	-
CD9	HI9a	MZ3	-
CD10	HI10a	-	-
CD24 (HSA)	ML5	30-F1, M1/69	-
CD25	BC96, M-A251	3C7, PC61	OX-39
CD29	TS2/16	HMβ1-1	HMβ1-1
CD30 (TNFRSF8)	BY88	mCD30.1	-
CD34	561, 581	MEC14.7, HM34	-
CD38	HB-7, HIT2	90	-
CD41	HIP8	MWReg30	-
CD43	CD43-10G7, MEM-59	1B11, S11	W3/13
CD44	BJ18, IM7	IM7	-
CD45	HI30	30-F11	OX-1
CD45RO	UCHL1	-	-
CD48 (SLAMF2)	BJ40	HM48-1	-
CD49a	TS2/7	HMα1	-
CD49d	9F10	9C10 (MFR4.B), R1-2	MRα4-1
CD49e	NKI-SAM-1	5H10-27(MFR5), HMα5-1	HMα5-1
CD49f	GoH3	GoH3	-
CD51	NKI-M9	RMV-7	-
CD54 (ICAM-1)	HA58, HCD54	YN1/1.7.4	1A29
CD56 (NCAM)	39D5, HCD56, MEM-188	-	-
CD59	p282 (H19)	mCD59.3	-
CD68	Y1/82A	FA-11	-
CD71	CY1G4	RI7217	OX-26
CD73 (5'-Nucleotidase)	AD2	TY/11.8	-
CD90 (Thy1)	5E10	G7	KW322, OX-7
CD90.1 (Thy1.1)	-	KW322, OX-7	-
CD90.2 (Thy1.2)	-	30-H12, 53-2.1	-
CD93	VIMD2	AA4.1	-
CD105 (Endoglin)	43A3	MJ7/18	-
CD106 (VCAM-1)	STA	429 (MVCAM.A)	MR106
CD116	4H1	-	-
CD117 (c-kit)	104D2, A3C6E2	ACK2, 2B8	-
CD119 (IFN-γ Rα)	GIR-94, GIR-208	2E2	-
CD121a (IL-1R, Type I/p80)	-	JAMA-147	-
CD122 (IL-2Rβ)	5H4, TM-β1	TU27	-
CD123 (IL-3Rα)	6H6	5B11	-
CD126 (IL-6Rα)	BL-126, UV4	D7715A7	D7715A7
CD127 (IL-7Rα)	A019D5	A7R34, SB/199	-
CD131	1C1	-	-
CD133	-	315-2C11	-
CD135 (Flt-3/Flk-2)	BV10A4H2	A2F10	-
CD140a (PDGFRα)	16A1	APA5	-
CD140b (PDGFRβ)	18A2	APB5	-
CD144 (VE-Cadherin)	BV9	BV13, VECD1	-
CD146 (MCAM)	SHM-57	ME-9F1	-
CD150 (SLAM)	A12 (7D4)	TC15-12F12.2	-
CD151 (PETA-3)	50-6	-	-
CD156c (ADAM10)	SHM14	-	-

Flow Cytometry Antibodies

Specificity	**Clone** (*Human*)	**Clone** (*Mouse*)	**Clone** (*Rat*)
CD163	GHI/61, RM3/1	-	-
CD164	67D2	-	-
CD166 (ALCAM)	3A6	-	-
CD181 (CXCR1)	8F1/CXCR1	-	-
CD182 (CXCR2)	5E8/CXCR2	TG11/CXCR2	-
CD183 (CXCR3)	G025H7	CXCR3-173	-
CD184 (CXCR4)	12G5	TG12/CXCR4	-
CD192 (CCR2)	K036C2, TG5/CCR2	-	-
CD193 (CCR3)	5E8	J073E5, TG14/CCR3	-
CD194 (CCR4)	TG6/CCR4	2G12	-
CD197 (CCR7)	G043H7, TG8/CCR7	4B12	-
CD201 (EPCR)	RCR-401	RCR-16	-
CD202b (Tie2/Tek)	33.1 (Ab33)	TEK4	-
CD210 (IL-10R)	3F9	1B1.3a	-
CD221 (IGF-1R)	1H7/CD221	-	-
CD243 (MDR-1)	UIC2	-	-
CD271 (NGFR)	ME20.4	-	-
CD309 (VEGFR2)	HKDR-1	89B3A5, Avas12	-
CD318 (CDCP1)	CUB1	-	-
CD324 (E-Cadherin)	67A4	-	-
CD325 (N-Cadherin)	8C11	-	-
CD326 (EpCAM)	9C4	G8.8	-
CD334 (FGFR4)	4FR6D3	-	-
CD338 (ABCG2)	5D3	-	-
CD349 (Frizzled-9)	W3C4E11	-	-
Bcl-6	IG191E/A8	IG191E/A8	-
C3AR	hC3aRZ8	-	-
CCL5 (RANTES)	VL1	-	-
Delta-like protein 1 (DLL1)	MHD1-314	HMD1-3	-
Delta-like protein 4 (DLL4)	MHD4-46	HMD4-1	-
EGFR	AY13	-	-
ESAM	-	1G8/ESAM	-
Histone H2A.X Phosphorylated (Ser139)	2F3	-	-
Histone H3 Phosphorylated (Ser10)	11D8	-	-
Histone H3 Phosphorylated (Ser28)	HTA28	-	-
Helios	22F6	22F6	-
Ikaros	-	2A9/Ikaros	-
IFN-γ	4S.B3, B27	XMG1.2	DB-1
IFN-γ Rβ	2HUB-159	MOB-47	-
IFNAR-1	-	MAR1-5A3	-
IL-1α	364-3B3-14	ALF-161	-
IL-1β	H1b-98, JK1B-1	-	-
IL-3	BVD3-1F9	MP2-8F8	-
IL-5	JES1-39D10, TRFK5	TRFK5	-
IL-6	MQ2-13A5	MP5-20F3	-
IL-8 (CXCL8)	BH0814, E8N1	-	-
IL-10	JES3-19F1, JES3-9D7	JES5-16E3	-
IL-12/IL-23 p40	C11.5	C8.6, C15.6	-
Integrin β7	FIB27, FIB504	FIB27, FIB504	-
Jagged 2	MHJ2-523	HMJ2-1	-
LAP (TGF-β1)	BG/hLAP, TW4-2F8, TW4-6H10	TW7-16B4, TW7-20B9	-
LPAM-1 (Integrin α4β7)	-	DATK32	-

Flow Cytometry Antibodies

Specificity	**Clone** (*Human*)	**Clone** (*Mouse*)	**Clone** (*Rat*)
Lymphotoxin Beta Receptor (LTβR)	31G4D8	5G11	-
Ly-6A/E (Sca-1)	-	D7, E13-161.7	-
MSC (W7C6)	W7C6	-	-
MSC and NPC	W4A5	-	-
NFATc1	7A6	7A6	7A6
Notch 1	MHN1-519	HMN1-12	-
Notch 2	MHN2-25	HMN2-35	-
Notch 3	MHN3-21	HMN3-133	-
Notch 4	MHN4-2	HMN4-14	-
Oct4 (Oct3)	3A2A20	-	-
p53	DO-7	-	-
PLZF	-	9E12	-
Podoplanin	NC-08	8.1.1	-
SSEA-1 (CD15)	HI98, MC-480, W6D3	MC-480	-
SSEA-3	MC-631	MC-631	-
SSEA-4	MC-813-70	-	-
SSEA-5	8e11	-	-
STRO-1	STRO-1	-	-
SUSD2	W3D5, W5C5	-	-
T-bet	4B10	4B10	-
Tim-1	1D12	RMT1-4	-
Tim-2	-	F37-2C4	-
TMTSP (THSD1)	-	TX17.10	-
TNAP	W8B2	-	-
TRA-1-60-R	TRA-1-60-R	-	-
TRA-1-81	TRA-1-81	-	-

View more antibodies for flow cytometry and all available fluorophore conjugates at: **biolegend.com**

Western Blot Antibodies

Specificity	**Reactivity**	**Clone**
Adiponectin	Human	Poly6215
β-catenin	Human, Mouse	12E4-2
Bax	Human	2D2
Bax	Mouse	5B7
Bax	Human, Mouse, Rat	6A7, Poly6251
Bcl-6	Human, Mouse	IG191E/A8
CBP	Human, Mouse	Poly6064
CCL5 (RANTES)	Human	VL1
c-Myc	Human	9E10
Cyclin A	Human, Mouse	E23.1
Cyclin B1	Human, Mouse	V152
EGFR	Human, Mouse, Rat	Poly6213
FoxD3	Human	Poly6317
FoxO3A (FKHRL1)	Human	Poly6298
GATA3	Human, Mouse	16E10A23
GFAP	Human, Mouse, Rat	2E1.E9
Gli-1	Human	Poly6424
GSK-3β	Human, Mouse	Poly6042
Histone H2A	Human	Poly6194
Histone H2A.X	Human	Poly6133
Histone H3	Human, Mouse	Poly6019

Western Blot Antibodies

Specificity	Reactivity	Clone
Histone H3 Phosphorylated (Ser10)	Human	11D8
Histone H3 Phosphorylated (Ser28)	Human	HTA28
HDAC-1	Human, Mouse	Poly6074
HDAC-4	Human, Mouse	Poly6077
HDAC-6	Human	18E2SC
Ikaros	Mouse	2A9/Ikaros
IFN-γ	Mouse	H22
IκB-α	Human, Mouse, Rat	Poly6249
Mcl-1	Human, Mouse	Poly6136
MCM2	Human, Mouse	Poly6022
MMP1	Human	F15P3B6
MMP2	Human	F14P4D3
MMP3	Human	F36P1B4
MMP9	Human	F11P2C3
Nestin	Mouse, Rat	Rat-401
NFATc1	Human, Mouse, Rat	7A6
Oct4 (Oct3)	Human	3A2A20
p53	Human	BP53-12, DO-1, DO-7
p53-Acetylated (Lys382) Antibody	Human	Poly6142
p63 (ΔN)	Human	Poly6190
p63 (TA)	Human	Poly6189
RUNX3	Human	9F4A17
SIRT1	Human	Poly6343
SOCS3	Human, Mouse	SOC-25
SOCS6	Human	Poly6155
SOX2	Human	Poly6519
SOX2 (NH2 terminus)	Human	Poly6308
STAT1	Human	SAT-84
STAT2	Human	Poly6245
STAT3	Human, Mouse, Rat	Poly6246
STAT3 Phospho (Tyr705)	Human	13A3-1
STAT5 Phospho (Tyr694)	Human	Poly6511
STAT5b	Human	Poly6101
Syk	Human	4D10.2
Syk	Mouse	5F5
Syk	Human, Mouse, Rat	SYK-01
T-bet	Human, Mouse	4B10
TIF1β (KAP-1, TRIM28)	Human	20A1
TIF1β (KAP-1, TRIM28) Phospho (Ser473)	Human	11G10SC
TIF1β (KAP-1, TRIM28) Phospho (Ser473)	Human, Mouse	Poly6446
TSC2 Phospho (Ser664)	Human	Poly6359
UTF1	Human	Poly6399
VEGF	Human	Poly6275
VEGF-A	Mouse	1F07-2C01, 2G11-2A05

View more antibodies for western blot at: **biolegend.com**

Recombinant Proteins

Protein	Human Cat. No.	Mouse Cat. No.
CCL2 (MCP-1)	571402/571404/571406/571408	578402/578404/578406
CCL3 (MIP-1α)	582802/582804/582806	-
CCL5 (RANTES)	580202/580204/580206/580208	-
CXCL1	574402/574404/574406/574408	573702/573704/573706/573708
CXCL2	582002/582004/582006/582008	582502/582504/582506/582508
CXCL9 (MIG)	578102/578104/578106/578108	578202/578204/578206/578208
CXCL12 (SDF-1α)	581202/581204/581206/581208	578702/578704/578706/578708
EGF	585506/585508	585606/585608
EPO	587102/587104/587106/587108	587602/587604/587606/587608
FGF-basic	-	579602/579604/579606/579608
FGF-basic/145aa	571502/571504/571506/571508	-
G-CSF	578602/578604/578606	574602/574604/574606/574608
GM-CSF	572902/572903/572904/572905	576302/576304/576306/576308
IFN-β1	-	581302/581304/581306
IFN-γ	570202/570204/570206/570208	575302/575304/575306/575308
IL-1α	570002/570004/570006/570008	575002/575004/575006/575008
IL-1β	579402/579404/579406/579408	575102/575104/575106/575108
IL-2	589102/589104/589106/589108	575402/575404/575406/575408
IL-3	578002/578004/578006/578008	575502/575504/575506/575508
IL-4	574002/574004/574006/574008	574302/574304/574306/574308
IL-5	-	581502/581504/581506/581508
IL-6	570802/570804/570806/570808	575702/575704/575706/575708
IL-7	581902/581904/581906/581908	577802/577804
IL-8 (CXCL8)	574202/574204/574206/574208	-
IL-10	571002/571004/571006/571008	575802/575804/575806/575808
IL-10 (Mammalian Expressed)	573202/573204/573206	-
IL-11	585902/585904/585906/585908	586002
IL-12 (p40)	-	573102/573104/573106/573108
IL-12 (p70)	573002/573004/573006/573008	577002/577004/577006/577008
IL-15	570302/570304/570306/570308	566301/566302/566304
M-CSF	574802/574804/574806/574808	576402/576404/576406/576408
PDGF-BB	577302/577304/577306/577308	-
SCF	573902/573904/573906/573908	579702/579704/579706/579708
TGF-β1*	580702/580704/580706	-
TGF-β2*	583301	-
TGF-β3*	585802	-
VEGF-120	-	580902/580904/580906/580908
VEGF-121	583202/583204/583206/583208	-
VEGF-164	-	583102/583104/583106/583108
VEGF-165	583702/583704/583706/583708	-

*Also cross-reactive against mouse

Recombinant proteins are offered in 10, 25, 100, or 500 µg sizes. To learn which sizes are available, search for your product at: **biolegend.com.**

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ELISA Kits and Sets

Human	LEGEND MAX™ Kits *(1 plate/5 plates)*	ELISA MAX™ Deluxe Sets *(5/10/20 plates)*	ELISA MAX™ Standard Sets *(5/10/20 plates)*
CD54/sICAM-1	440207/440208	-	-
CD106/sVCAM-1	440307/440308	-	-
FGF-basic	434307/434308	434304/434305/434306	-
GM-CSF	432007/432008	432004/432005/432006	432001/432002/432003
IFN-γ	430107/430108	430104/430105/430106	430101/430102/430103
IL-1α	434907/434908	434904/434905/434906	-
IL-1β	437007/437008	437004/437005/437006	-
IL-2	431807/431808	431804/431805/431806	431801/431802/431803
IL-4	430307/430308	430304/430305/430306	430301/430302/430303
IL-5	-	430404/430405/430406	430401/430402/430403
IL-6	430507/430508	430504/430505/430506	430501/430502/430503
IL-8 (CXCL8)	431507/431508	431504/431505/431506	431501/431502/431503
IL-10	430607/430608	430604/430605/430606	430601/430602/430603
IL-12/IL-23 (p40)	430707/430708	430704/430705/430706	430701/430702/430703
IL-12 (p70)	431707/431708	431704/431705/431706	431701/431702/431703
IL-15	435107/435108	435104/435105/435106	-
IL-31	437307/437308	-	-
LAP (Latency Associated Peptide)	436807/436808	-	-
MMP9	440707/440708	-	-
TGF-β (Latent)	432907/432908	-	-
TGF-β1 (Free Active)	437707/437708	-	-
TGF-β1 (Total)	436707/436708	-	-

ELISA Kits and Sets

Mouse	LEGEND MAX™ Kits *(1 plate/5 plates)*	ELISA MAX™ Deluxe Sets *(5/10/20 plates)*	ELISA MAX™ Standard Sets *(5/10/20 plates)*
GM-CSF	432207/432208	432204/432205/432206	432201/432202/432203
IFN-γ	430807/430808	430804/430805/430806	430801/430802/430803
IL-1α	-	433404/433405/433406	433401/433402/433403
IL-1β	-	432604/432605/432606	432601/432602/432603
IL-2	431007/431008	431004/431005/431006	431001/431002/431003
IL-3	-	432104/432105/432106	432101/432102/432103
IL-4	431107/431108	431104/431105/431106	431101/431102/431103
IL-5	-	431204/431205/431206	431201/431202/431203
IL-6	431307/431308	431304/431305/431306	431301/431302/431303
IL-10	431417/431418	431414/431415/431416	431411/431412/431413
IL-12/IL-23 (p40)	-	431604/431605/431606	431601/431602/431603
IL-12 (p70)	433607/433608	433604/433605/433606	-
TGF-β (Latent)	433007/433008	-	-
TGF-β1 (Free Active)	437707/ 437708	-	-
TGF-β1 (Total)	436707/ 436708	-	-

ELISA Kits and Sets

Rat	LEGEND MAX™ Kits *(1 plate/5 plates)*		
IFN-γ	439007/439008	-	-
IL-6	437107/437108	-	-
TGF-β1 (Free Active)	437707/437708	-	-
TGF-β1 (Total)	436707/436708	-	-

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Technical Service:
US & Canada Toll-Free: 1.877.273.3103
International: 1.858.768.5801
email: techserv@biolegend.com

USA Headquarters:
9727 Pacific Heights Blvd.
San Diego, CA 92121

International Offices

Japan:
BioLegend
8F, SB bldg., 1-4-6, Nezu, Bunkyo-ku, Tokyo
113-0031, Japan
Tel: +81-3-3823-9071
Fax: +81-3-3823-9072
email: supportjp@biolegend.com
biolegend.com/jp

United Kingdom:
BioLegend
4B Highgate Business Centre
33 Greenwood Place
London NW5 1LB
United Kingdom
Tel: +44 (0) 20 3475 3880
Fax: +44 (0) 20 3318 3271
email: salesuk@biolegend.com
biolegend.com/uk

BioLegend European Distribution Center:
4B Highgate Business Centre
33 Greenwood Place
London NW5 1LB
United Kingdom
Tel: +44 (0) 20 3475 3880
Fax: +44 (0) 20 3318 3271
email Inquiries: infoeurope@biolegend.com
email Technical Support: techeurope@biolegend.com

Germany:
BioLegend
Zum Grundtal 1
D- 54341 Fell
Germany
Tel: +49 (0)6502- 4042086
Fax: +49 (0)6502- 4042087
email: bl-gmbh@biolegend.com
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