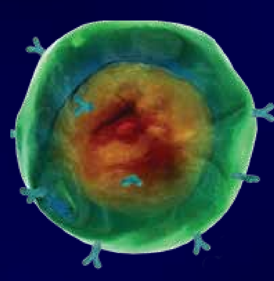
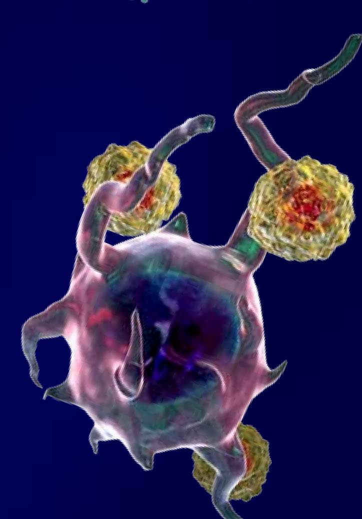
Human CD Antigens



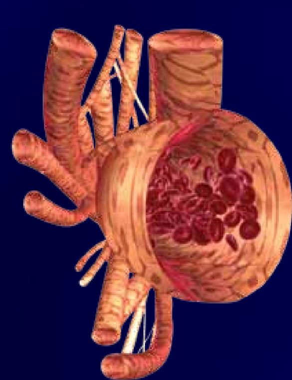
B Cell Antigens

- CD5
- CD19
- CD20
- CD22
- CD23
- CD25
- CD40
- CD69
- CD70
- CD79a
- CD79b
- CD80
- CD86
- CD137 (4-1BB)
- CD138 (Syndecan)
- CD252
- CD268



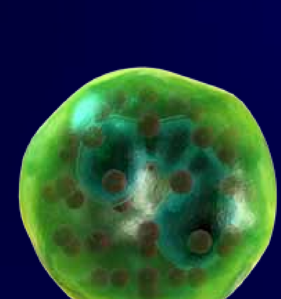
Dendritic Cell Antigens

- CD1a
- CD1b
- CD1c
- CD11c
- CD14
- CD40
- CD49d
- CD80
- CD83
- CD85g (ILT7)^{pDC}
- CD86
- CD123^{pDC}
- CD197 (CCR7)
- CD205 (DEC-205)
- CD207 (Langerin)
- CD209 (DC-SIGN)
- CD273 (B7-DC)
- CD289 (TLR9)
- CD303 (BDCA2)
- CD304 (BDCA4)



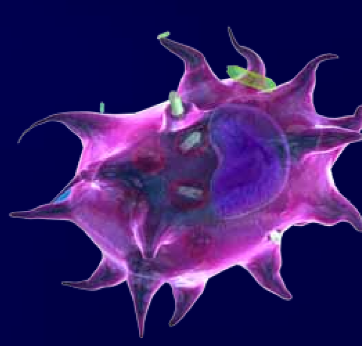
Endothelial Cell Antigens

- CD31 (PECAM-1)
- CD34
- CD54
- CD61
- CD62E (E-Selectin)
- CD105 (Endoglin)
- CD106 (VCAM-1)
- CD144 (VE-Cadherin)
- CD146
- CD202b (Tie2)
- CD309 (FLK1)



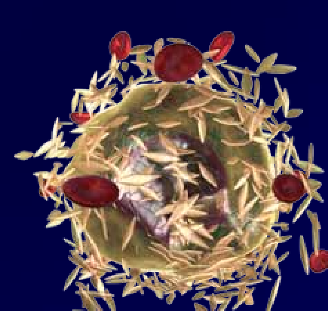
Granulocyte Antigens

- CD10
- CD11b
- CD11c
- CD14^{low}
- CD15
- CD16b
- CD31
- CD33
- CD66b
- CD88
- CD181 (CXCR1)
- CD182 (CXCR2)
- CD217 (IL-17RA)



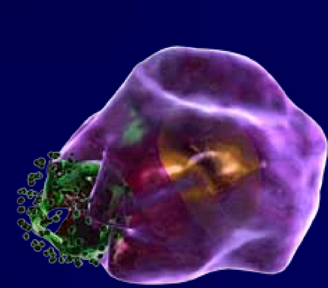
Macrophage/Monocyte Antigens

- CD11a
- CD11b
- CD11c
- CD14
- CD15^{low}
- CD33
- CD64
- CD68
- CD80
- CD85 (ILT) family
- CD86
- CD105 (Endoglin)
- CD115
- CD163
- CD195 (CCR5)
- CD282 (TLR2)
- CD284 (TLR4)



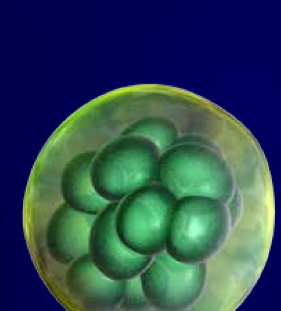
Megakaryocyte/Platelet Antigens

- CD9
- CD31 (PECAM-1)
- CD41
- CD42b
- CD51
- CD61
- CD62P (P-Selectin)



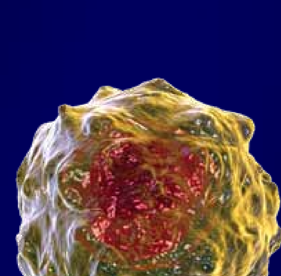
NK Cell Antigens

- CD11b
- CD16a
- CD25
- CD56
- CD57
- CD69
- CD94
- CD122
- CD158 (KIR) family
- CD161
- CD244
- CD314 (NKG2D)
- CD319 (CRACC)
- CD328 (Siglec-7)



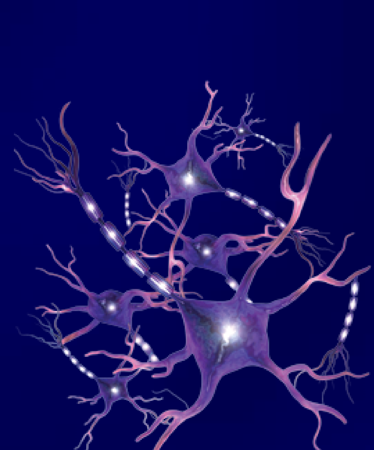
Stem Cell Antigens

- CD34
- CD38^{low}
- CD90
- CD105 (Endoglin)
- CD110
- CD111
- CD117 (c-Kit)
- CD133
- CD135 (Flt3)
- CD184 (CXCR4)
- CD202b (Tie1)
- CD243 (MDR1)
- CD309 (FLK1)
- CD338 (ABCG2)



T Cell Antigens

- CD2
- CD3
- CD4
- CD5
- CD7
- CD8
- CD25
- CD27
- CD28
- CD39
- CD45RA
- CD45RO
- CD62L (L-Selectin)
- CD69
- CD73
- CD101
- CD127
- CD134
- CD137 (4-1BB)
- CD152
- CD154
- CD197 (CCR7)
- CD272 (BTLA)
- CD278 (ICOS)
- CD279 (PD-1)



Other Cell-Type Antigens

Epithelial Cell
- CD24
- CD44R
- CD49f
- CD66a
- CD75
- CD104
- CD121a
- CD133
- CD167a
- CD326 (EpCAM)

Erythrocyte
- CD45 negative
- CD235a

Fibroblast
- CD10
- CD29
- CD47
- CD81
- CD91
- CD121a

Mast Cell
- CD23
- CD117
- CD203c

Neuron
- CD6
- CD24
- CD90
- CD143
- CD166
- CD171
- CD200
- CD230 (Prion Protein)
- CD271 (NGFR)
- CD304 (Neuropilin)

Stromal Cell
- CD10
- CD34
- CD157

Antigen Name	Alternate Names	MW (kD)	Distribution	Function	Ligand/Receptor
CD1a	T6, Leu-6, R4, HTA1	49	cortical thymocytes, Langerhans, DC	lipid and glycolipid antigen presentation, w/β2m	CD1 restricted TCR
CD1b	R1	45	cortical thymocytes, Langerhans, DC	lipid and glycolipid antigen presentation, w/β2m	CD1 restricted TCR
CD1c	R7, M241	43	cortical thymocytes, Langerhans, DC, B subset	lipid and glycolipid antigen presentation, w/β2m	CD1 restricted TCR
CD1d	R3	49	cortical thymocytes, intestinal epithelial cells	lipid and glycolipid antigen presentation, w/β2m	CD1 restricted TCR
CD1e	R2	28	DC (Golgi compartments, endosomes, and lysosomes)	lipid and glycolipid antigen presentation, w/β2m	
CD2	T11, LFA-2, SRBC-R	50	thymocytes, T, NK, B	adhesion, T cell activation	CD58
CD2R	T11-3	50	T^{act}	activation-dependent form of CD2	
CD3δ	T3D	20	T, thymocyte subset	associates with TCR, TCR surface expression, signal transduction	
CD3ε	T3E, Leu-4	20	T, thymocyte subset	associates with TCR, TCR surface expression, signal transduction	
CD3γ	T3G	25	T, thymocyte subset	associates with TCR, TCR surface expression, signal transduction	
CD4	T4, Leu-3a	55	thymocyte subset, T subset, monocyte	T cell differentiation, activation	MHC class II, HIV
CD5	T1, Tp67, Leu-1	67	thymocytes, T, B subset, B-CLL	TCR or BCR signaling, T-B interaction	CD72
CD6	T12	100-130	thymocytes, T, B subset	T cell differentiation, costimulation	CD166
CD7	Leu-9, gp40	40	hematopoietic progenitors, thymocytes, T, NK, T-ALL	T costimulation	
CD8α	T8, Leu-2	32-34	thymocyte subset, T subset, NK	T cell differentiation, activation	MHC class I
CD8β	Leu-2	30-32	thymocyte subset, T subset	T cell differentiation, activation	MHC class I
CD9	p24, MRP-1	22-27	pre-B, eosinophils, basophils, platelets, T^{act}	cellular adhesion and migration	
CD10	CALLA, NEP, gp100	100	B precursors, T precursors, neutrophils	zinc-binding metalloproteinase, B cell development	
CD11a	LFA-1, integrin αL, ITGAL	180	lymphocytes, granulocytes, monocytes, macrophages	intercellular adhesion, T costimulation, heterodimer with CD18	CD50, CD54, CD102
CD11b	Mac-1, integrin αM, CR3, ITGAM	170	myeloid, NK, monocytes	adhesion, migration, heterodimer with CD18	CD54, CD102, iC3b, fibrinogen, CD23
CD11c	p150,95, CR4, integrin αX, ITGAX	150	DC, myeloid, NK, B subset, T subset	adhesion, migration, heterodimer with CD18	CD54, iC3b, fibrinogen, CD23
CD12		90-120	monocytes, granulocytes, platelets		
CD13	Aminopeptidase N, APN, gp150	150-170	myeloid cells, AML	zinc-binding metalloproteinase	corona virus receptor
CD14	LPS-R	53-55	monocytes, tissue macrophages	LPS sensor	LPS receptor
CD15	Lewis-x, Lex, SSEA-1		granulocytes, neutrophils, eosinophils, monocytes	adhesion	
CD15s	Sialyl Lewis X		neutrophils, eosinophils, monocytes, memory T, T^{act}, B, NK, HEV	adhesion	CD62L, CD62P
CD15u	Sulfated Lewis X		myeloid subset	adhesion	
CD16a	FcγRIIIA	50-65	neutrophils, macrophages, NK, mast	component of low affinity Fc receptor, phagocytosis and ADCC	aggregated IgG
CD16b	FcγRIIIB	48	neutrophils	component of low affinity Fc receptor, phagocytosis and ADCC	IgG
CD17	lactosylceramide, LacCer	115-165	neutrophils, monocytes, platelets, granulocytes, basophils, B subset	adhesion, phagocytosis	
CD18	Integrin β2, ITGB2	95	all leukocytes	heterodimer with CD11a, b and c, adhesion	CD50, CD54, CD102, iC3b, fibrinogen
CD19	B4	95	B, FDC	complex w/ CD21 and CD81, BCR co-receptor, B cell activation/ differentiation	
CD20	B1, Bp35	33-37	B, T subset	B cell activation	
CD21	C3DR, CR2, EBV-R	110, 145	B, FDC, T subset	complex w/ CD19 and CD81, BCR co-receptor	C3d, CD23, EBV
CD22	BL-CAM, Siglec-2	150	B	adhesion, B-mono, B-T interactions	BPCNeuAc
CD23	FcεRII	45	B, macrophages^{act}, eosinophils, FDC, platelets	signal transduction	IgE, CD21, CD11b, CD11c
CD24	BA-1, HSA	35-45	B, granulocytes, T subset, epithelial	B cell differentiation marker	
CD25	Tac, p55, IL-2Rα	55	T^{act}, B^{act}, Treg, lymphoid progenitors	forms high affinity IL-2 receptor with CD122 and CD132	IL-2
CD26	DPP IV	110	mature thymocytes, T^{act}, B, macrophages, NK	dipeptidyl peptidase, T costimulation	FAP, HIV Tat, collagen
CD27	T14, TNFRSF7, S152	50-55	medullary thymocytes, T, B subset, NK subset, HSC	T costimulation	CD70
CD28	Tp44, T44	44	most T, thymocytes, plasma	T costimulation	CD80, CD86
CD29	Integrin β1, platelet GPIIa, ITGB1	130	All leukocytes, fibroblasts, endothial, epithelial	Associates with integrin α subunits (CD49a-f, C D51)	VCAM-1, MAdCAM-1, ECM proteins
CD30	Ki-1, Ber-H2	105-120	B^{act}, T and NK cells , Reed-Sternberg cells, anaplastic large cell lymphoma	lymphocyte proliferation, apoptosis	CD153
CD31	PECAM-1, endocam, GPIIa	130-140	leukocytes, platelets, endothelial	adhesion, signal transduction	CD31, CD38
CD32	FcγRII	40	monocytes, granulocytes, B, platelets, macrophages	low affinity Fc receptor, B cell activation	polymeric or aggregated IgG
CD33	p67, Siglec-3, My9	67	myeloid progenitors, monocytes, granulocytes, DC, macrophages	adhesion	
CD34	My10, Mucosialin, gp105-120	105-120	hematopoietic precursors, capillary endothelial, embryonic fibroblasts	stem cell marker, adhesion	CD62L
CD35	CR1, C3b/C4bR, Immune adherence receptor	250	erythrocytes, B, monocytes, neutrophils, eosinophils, FDC, T subset	adhesion, phagocytosis	C3b, C4b
CD36	GPIV, GPIIIb, OKM5 antigen, PASIV	88	platelets, monocytes, macrophages, endothelial	adhesion, phagocytosis	collagen (I, IV, V), thrombospondin, oxidized LDL
CD37	gp52-40, Tspan-26	40-52	B, B-CLL, HCL, B-NHL, Low on: T, granulocytes, monocytes, neutrophils,	signal transduction	
CD38	T10, ADP-ribosyl cyclase	45	variable levels on majority of hematopoietic cells, high expression on plasma cells, B and T^{act}	ecto-ADP-ribosyl cyclase, cell activation, signal transduction	CD31, hyaluronic acid
CD39	ENTPD-1, gp80, EC3.6.1.5	78	NK, macrophages, Langerhans cells, DC, B^{act}, Treg	B cell adhesion, ecto-apyrase	
CD40	TNFRSF5, Bp50	48	B, macrophages, FDC, endothelial, T subset	B differentiation/ costimulation, isotype-switching, rescues B cells from apoptosis	CD154
CD41	gpIIb, ITGA2B	22, 125	platelets, megakaryocytes	heterodimer with CD61, platelet activation and aggregation	vitronectin, fibrinogen, fibronectin, vWF, thrombospondin
CD42a	GPIX, GP9	22	platelets, megakaryocytes	complex w/ CD42b, c and d, platelet adhesion/ activation	vWF and thrombin
CD42b	GPIbα	145	platelets, megakaryocytes	complex w/ CD42a, c and d, platelet adhesion/ activation	vWF and thrombin
CD42c	GPIbβ	24	platelets, megakaryocytes	complex w/ CD42a, b, d, platelet adhesion/ activation	vWF and thrombin
CD42d	GPV	82	platelets, megakaryocytes	complex w/ CD42a-c	vWF and thrombin
CD43	Leukosialin, sialophorin, gpL115	115-135	leukocytes, except resting B, platelets^{low}	inhibits adhesion	CD54, hyaluronic acid
CD44	H-CAM, Pgp-1, Hermes antigen, ECMRIII	80-95	leukocytes, endothelial, epithelial	adhesion, migration	hyaluronin, osteopontin, fibronectin
CD44std	H-CAM, Pgp-1, Hermes antigen, ECMRIII	80-95	leukocytes, endothelial, epithelial	adhesion, migration	hyaluronin, osteopontin, fibronectin
CD44var (v4)	CD44 variant 1-10		heterogeneous expression, constitutively on epithelial, monocytes, leukocytes^{act}	adhesion, metastasis	hyaluronin
CD44var (v10)	CD44 variant 1-10		heterogeneous expression, constitutively on epithelial, monocytes, leukocytes^{act}	adhesion, metastasis	hyaluronin
CD44var (v7-v8)	CD44 variant 1-10		heterogeneous expression, constitutively on epithelial, monocytes, leukocytes^{act}	adhesion, metastasis	hyaluronin
CD44 (v6)	CD44 variant 1-10		heterogeneous expression, constitutively on epithelial, monocytes, leukocytes^{act}	adhesion, metastasis	hyaluronin
CD44 (v3)	CD44 variant 1-10		heterogeneous expression, constitutively on epithelial, monocytes, leukocytes^{act}	adhesion, metastasis	hyaluronin
CD44 (v6)	CD44 variant 1-10		heterogeneous expression, constitutively on epithelial, monocytes, leukocytes^{act}	adhesion, metastasis	hyaluronin
CD44 (v5)	CD44 variant 1-10		heterogeneous expression, constitutively on epithelial, monocytes, leukocytes^{act}	adhesion, metastasis	hyaluronin
CD44 (v7)	CD44 variant 1-10		heterogeneous expression, constitutively on epithelial, monocytes, leukocytes^{act}	adhesion, metastasis	hyaluronin
CD45	LCA, PTPRC, T200	180-240	all leukocytes	tyrosine phosphatase, signaling	
CD45R	B220	220	B, T^{act}		
CD45RA		205-220	B, naïve T, monocytes	exon A isoforms of CD45	
CD45RB		190-220	B, T subset, monocytes, macrophages, granulocytes	exon B isoforms of CD45	
CD45RC		190-220	B, T subset, NK	exon C isoforms of CD45	
CD45R0		180	T^{act}, memory T, B subset, monocytes, macrophages, granulocytes	isoform of CD45 lacking A, B, C exons	CD22
CD46	MCP	56-76	nucleated cells	membrane cofactor protein	C3b, C4b, measles virus receptor
CD47	IAP, neurophilin	45-60	hematopoietic cells, epithelial, endothelial, fibroblasts	leukocyte adhesion, migration, activation	thrombospondin
CD47R	MEM-133	120	new designation for CDw149, similar distribution as CD47 but dimmer		
CD48	Blast-1, Hulym3	45	all leukocytes	cell adhesion	CD2 (low affinity), CD244
CD49a	VLA-1, Integrin α1, ITGA1	210	T^{act}, monocytes	adhesion, signal transduction, heterodimer with CD29	collagen, laminin 1
CD49b	VLA-2, Integrin α2, ITGA2	165	B, monocytes, platelets, T^{act}, megakaryocytes	adhesion, signal transduction, heterodimer with CD29	collagen, laminin
CD49c	VLA-3, Integrin α3, ITGA3	125	B and T^{low}, most adherent cell lines	adhesion, signal transduction, heterodimer with CD29	collagen, laminin, fibronectin
CD49d	VLA-4, Integrin α4, ITGA4	150	T, B, NK, thymocytes, monocytes, eosinophils, mast, DC	adhesion, signal transduction, heterodimer with CD29 or ITGB7 (integrin β7)	CD106, fibronectin, MAdCAM-1
CD49e	VLA-5, Integrin α5, ITGA5	25, 135	thymocytes, T, monocytes, platelets, and B^{act}	adhesion, signal transduction, heterodimer with CD29	fibronectin
CD49f	VLA-6, Integrin α6, ITGA6	125	memory T, thymocytes, monocytes, platelets, megakaryocytes, epithelial	adhesion, signal transduction, heterodimer with CD29 or CD104	laminin, merosin
CD50	ICAM-3	110-120	hematopoietic, endothelial, epidermal Langerhans	adhesion, costimulation	CD11a/CD18, integrin αd/CD18, CD209
CD51	Vitronectin receptor, ITGAV	24, 125	platelets^{low}, endothelial, osteoblasts, melanomas	adhesion, signal transduction, heterodimer with CD29, CD61, ITGB5, ITGB6, or ITGB8	vitronectin, vWF, fibrinogen, thrombospondin
CD52	CAMPATH-1, HES	21-28	thymocytes, lymphocytes, monocytes, macrophages	unknown	
CD53	MCR, Tspan-25	35-42	leukocytes, DC, osteoblasts, osteoclasts	signal transduction	
CD54	ICAM-1	90-110	endothelial, monocytes, lymphocytes^{act}	adhesion, signal transduction	CD11a/CD18, CD11b/CD18, rhinovirus
CD55	DAF	60-70	hematopoietic, endothelial, soluble in plasma	complement regulation	C3b, C4b, CD97, echovirus, coxsackie B
CD56	NCAM, Leu-19, NKH1	175-220	NK, T subset, neurons, some large granular lymphocyte leukemias, myeloid leukemias	adhesion	chondroitin sulphate proteoglycans
CD57	HNK-1, Leu-7	110	NK subset, T subset, neural tissue	adhesion	CD62L, CD62P
CD58	LFA-3	55-70	all nucleated cells	adhesion	CD2
CD59	Protectin, MIRL, MACIF, P-18	19	all nucleated cells	regulates complement-mediated cell lysis	C8, C9
CD60a	GD3	90-120	T subset, platelets, thymic epithelium, astrocytes	costimulation	
CD60b	9-O-acetyl GD3		T subset, B^{act}		
CD60c	7-O-acetyl GD3		T subset		
CD61	GPIIIa, Integrin β3	105	platelets, megakaryocytes, macrophages, endothelial	adhesion, signal transduction, heterodimer with CD41 or CD51	vitronectin, vWF, fibrinogen and fibronectin
CD62E	E-selectin, ELAM-1	97, 107-115	activated endothelium	adhesion, cell rolling, metastasis	binds CD15s, CD162
CD62L	L-selectin, LECAM-1, Leu-8, LAM-1	74, 95	B, naïve T, memory T, monocytes, granulocytes, NK, thymocytes	adhesion, leukocyte homing and rolling	CD15s,CD34, CD57, CD162, GlyCAM-1, MAdCAM-1
CD62P	P-selectin, PADGEM	140	platelets^{act}, endothelial, megakaryocytes	adhesion, leukocyte rolling, platelet-neutrophil and platelet-mono interactions	CD15s, CD162
CD63	LIMP, LAMP-3, ME491	53	platelets^{act}, monocytes, macrophages, endothelial	lysosomal membrane protein, expressed on cell surface after activation	
CD64	FcγRI, FcRI	72	monocytes, macrophages, DC	phagocytosis and ADCC	monomeric and aggregated IgG
CD65	VIM2		granulocytes, monocyte subset, myeloid leukemias		
CD65s	VIM2		granulocytes, monocytes, myeloid leukemias	phagocytosis	
CD66a	BGP-1, NCA-160, CEACAM1	160-180	granulocytes, epithelial	cell adhesion	CD62E, CD66a, CD66c, CD66e
CD66b	CD67, CGM6, NCA-95, CEACAM8	95-100	granulocytes	cell adhesion	CD66c
CD66c	NCA, NCA-50/90, CEACAM6	90	granulocytes, epithelial	cell adhesion	CD62E, CD66a, CD66b, CD66c, CD66e
CD66d	CGM1, CEACAM3	35	granulocytes	putative role in cell adhesion and signaling	
CD66e	CEA, CEACAM5	180-200	epithelial	cell adhesion	CD66a, CD66c, CD66e
CD66f	PSG1, Sp-1	54-72	placental syncytiotrophoblasts, fetal liver	immune regulation, protects fetus from maternal immune system	
CD68	Macrosialin, gp110	110	monocytes, macrophages, neutrophils, basophils, mast, DC, myeloid progenitors, liver, B subset	scavenger receptor	oxidized LDL
CD69	AIM, MLR3, VEA	28, 32	T^{act}, B, NK and granulocytes, thymocytes, platelets, Langerhans	signal transduction	
CD70	Ki-24, CD27L	50, 70, 90, 160	B^{act} and T^{act}, NK	T and B cell costimulation	CD27
CD71	T9, TFRC	95	proliferating cells, reticulocytes, erythroid precursors	iron uptake	transferrin receptor
CD72	Ly-32.2, Ly-19.2	42	B, FDC, macrophages	B proliferation	CD5, CD100
CD73	NT5E	69	B subset, T subset, FDC, epithelial, endothelial	ecto-5'-nucleotidase, nucleoside uptake, T costimulation, lymph adhesion	
CD74	Ii, invariant chain	33, 35, 41, 43	B, macrophages, monocytes, Langerhans, DC, T^{act}	MHC class II traffic and function, maturation of follicular B cells	
CD75	lactosamines	67, 85	B subset, epithelial	lactosamines	
CD75s	sialylated lactosamines		B subset, T subset	a-2,6-sialylated lactosamines (previously CDw75 and CDw76)	
CD77	Gb3, Pk blood groupBLA, CTH	1	germinal center B, Burkitt's lymphomas^{high}, follicular lymphomas^{low}	apoptosis	Shiga toxin, verotoxin 1
CD79a	Igα, MB1	33, 45	B	component of BCR, BCR surface expression and signal transduction	
CD79b	Igβ, B29	37	B	component of BCR, BCR surface expression and signal transduction	
CD80	B7, B7-1, BB1	60	B^{act} and T^{act}, macrophages, DC	T costimulation	CD28, CD152
CD81	TAPA-1	26	B, T, NK, thymocytes, DC, endothelial, fibroblast, neuroblastomas, melanomas	complex w/ CD19, CD21 and CD225, signaling, T costimulation	
CD82	R2, 4F9, C33, IA4	50-53	leukocytes, fibroblast, epithelial, endothelial	signal transduction, associates with MHC-I, MHC-II, CD37, CD52, CD81 and β1 integrins	
CD83	HB15	43	mature DC, Langerhans, B^{act} and T^{act}	dendritic cell marker	
CD84	GR6, SLAMF5	73	thymocytes, monocytes, platelets^{low}, B, T subset, tissue macrophages	putative role in adhesion, costimulation	
CD85a	LIR-3, ILT5, HL-9, LILRB3	110	monocytes, macrophages, DC, granulocytes, T subset	suppression of NK cell-mediated cytotoxicity	
CD85b	ILT8, LILRA6		NK, T subset, monocytes, macrophages, DC, B	activation of NK-mediated cytotoxicity, associates with FcRγ	
CD85c	LIR8, LILRB5		NK, T subset, monocytes, macrophages, DC, B	activation of NK-mediated cytotoxicity, associates with FcRγ	
CD85d	LIR2, ILT4, MIR10, LILRB2	110	NK, monocytes, macrophages	suppression of NK cell-mediated cytotoxicity, associates with HLA -G, -B, -G1	
Cd85e	ILT6, LIR4, LILRA3		B, NK	activation of NK-mediated cytotoxicity, associates with FcRγ	
CD85f	ILT11, LIR9, LILRA5		monocytes, neutrophils, macrophages, DC	activation of NK-mediated cytotoxicity, associates with FcRγ	
CD85g	LIR4, ILT7	55	pDC	signaling for cytokine production	
CD85h	LIR7, ILT1, LILRA2	53	monocytes	activation of NK-mediated cytotoxicity, associates with FcRγ	
CD85i	ILR6, LILRA1		T subset, monocytes, macrophages, DC, B	activation of NK-mediated cytotoxicity, associates with FcRγ	
CD85j	LIR1, ILT2, MIR-7, LILRB1	110	DC, monocytes., T, mature B	suppression of NK cell-mediated cytotoxicity, associates with HLA -A, -B, -C	
CD85k	LIR5, ILT3, HM18, LILRB4	60	DC, macrophages, monocytes, pDC, endothelial	thought to be an inhibitory receptor	
CD85l	ILT9, LILRP1		NK, T subset, monocytes, macrophages, DC, B	associates with FcRγ	
CD85m	ILT10		NK, T subset, monocytes, macrophages, DC, B	associates with FcRγ	
CD86	B70, B7-2	80	monocytes, DC, B^{act} and T^{act}	T costimulation	CD28, CD152
CD87	UPA-R, PLAUR	39-66	monocytes, NK, T^{act}, endothelial, fibroblasts	inflammatory cell invasion, metastasis, extracellular matrix degradation	uPA, vitronectin
CD88	C5aR C5R1	43	granulocytes, monocytes, macrophages, DC	granulocyte activation	C5a receptor
CD89	FcαR, IgA-R	55-75	monocytes, macrophages, granulocytes, neutrophils, B subset, T subset	phagocytosis, degranulation, respiratory burst	IgA1, IgA2
CD90	Thy-1	25-35	HSC, neurons	hematopoietic stem cell and neuron differentiation, adhesion, signal transduction	CD11b/CD18
CD91	α2MR, LRP1	600	monocytes, macrophages, neurons, fibroblasts	lipid homeostasis, signal transduction	α2-macroglobulin, LDLs, HSP96
CD92	p70, CHTL1. CDw92, SLC44A1	70	neutrophils, monocytes, granulocytes	putative ligand transporter	choline
CD93	C1qRp	120	neutrophils, monocytes, endothelial, granulocytes, NK, platelets	clearance of apoptotic cells, adhesion	C1q, MBL2, SPA
CD94	Kp43, KLRD1	43	NK, T subset	complex w/ NKG2, inhibits NK function	
CD95	Apo-1, Fas, TNFRSF6	45	lymphocytes^{act}, monocytes, neutrophils	apoptosis	CD178 (FasL)
CD96	TACTILE	160	T^{act}, NK	adhesion of activated T and NK	CD155
CD97	BL-KDD/F12	74, 80, 90	T^{act}, B, monocytes. macrophages, granulocytes, DC	adhesion, signaling	CD55
CD98	4F2, FRP-1, SLC3A2	40, 80	monocytes, T^{act}, B, and NK	cellular activation, adhesion	
CD99	MIC2, E2	32	leukocytes	T cell activation, adhesion	
CD99R	E2	32	T, NK, myeloid cells, thymocytes	isoform of CD99	
CD100	Sema4D	150	hematopoietic cells except immature BM cells, RBC and platelets	cell adhesion, cellular activation	CD72, plexin B1
CD101	V7, P126, IGSF2	120	monocytes, granulocytes, DC, T^{act}	T cell activation	
CD102	ICAM-2	55-65	monocytes, platelets, endothelial	costimulation, adhesion, lymphocyte recirculation	CD11a/CD18
CD103	ITGAE, HML-1, integrin αE	25, 150	intraepithelial lymph, lymph subset, activated lymph	heterodimer with β7, lymph homing/retention	E-Cadherin
CD104	β4 integrin	220	epithelium, Schwann cells, keratinocytes, some tumor cells	heterodimer with CD49f, cell adhesion, differentiation, metastasis	laminin
CD105	Endoglin, ENG	95	endothelial, BM stroma, activated monocytes	cellular response to TGFβ1, adhesion, embryonic angiogenesis	TGFβ1, TGFβ3
CD106	VCAM-1, INCAM-110	110	endothelial^{act}, FDC	leukocyte adhesion, migration, costimulation	CD49d/CD29, CD49d/β7
CD107a	LAMP-1	110	platelets^{act}, T, endothelial, granulocytes, macrophages, DC, metastatic tumors	lysosomal membrane protein	galectin-3, CD62L, C62E, CD62P
CD107b	LAMP-2	120	platelets^{act}, T, endothelial, granulocytes, metastatic tumors	lysosomal membrane protein	galectin-3, CD62L, C62E, CD62P
CD108	SEMA7A, JMH	80	erythrocytes, lymphoblasts	putative role in inflammation	CD232
CD109	Platelet activation factor, 8As, E123	170	T^{act} and platelets, CD34+ subset, endothelial, HUVEC	negative regulator of TGFβ in keratinocytes	
CD110	TPO-R, C-MPL,	82-84	megakaryocytes, platelets, some CD34+ stem cells^{low}	regulates megakaryocyte and platelet formation	thrombopoietin
CD111	PRR1, Nectin-1, PVRL1, Hve C1	64-72	stem cell subset, macrophages, neutrophils	intercellular adhesion	CD112, CD113, CD155, nectin-4
CD112	PRR2, Nectin-2, HVEB	64-72	CD34+ subset, megakaryocytes, endothelial, epithelial	intercellular adhesion	CD111, CD113, CD155
CD113	PVRL3, Nectin3	83	testis, placenta, epithelial	adhesion molecule that interacts with afadin	CD111, CD112, CD155
CD114	G-CSFR, CFS3R	95, 139	granulocytes, monocytes, platelets, endothelial	myeloid differentiation/proliferation	G-CSF
CD115	M-CSFR, c-fms, CSF-1R	150	monocytes, macrophages, osteoclasts, DC, monocytic progenitors	monocytic differentiation/ proliferation	M-CSF
CD116	GM-CSFRa	70-85	monocytes, granulocytes, DC, endothelial, neutrophils, fibroblasts	associates with CD131, myeloid differentiation/ proliferation	GM-CSF
CD117	c-kit, SCFR	145	hematopoietic stem cells and progenitors, fibroblasts, mast	hematopoietic progenitor development/ differentiation	SCF
CD118	LIFR, gp190	190	epithelial cells in adult and embryo	associates with CD130, signal transduction, soluble form inhibits activity of LIF	LIF
CD119	IFNGR1, IFN-γRα	90-100	macrophages, monocytes, B, T, NK, neutrophils, endothelial, epithelial, fibroblasts	associates with IFN-γ AF-1, host defense	Ifnγ
CD120a	TNFR-I, TNFRSF1A	50-60	nucleated cells	mediates pro-inflammatory cellular responses, programmed cell death and anti-viral activity	TNFα, TNFβ
CD120b	TNFR-II, TNFRSF1B	75-85	nucleated cells	mediates pro-inflammatory cellular responses, programmed cell death and anti-viral activity	TNFα, TNFβ
CD121a	IL-1R type I, IL1R	80	T cells, thymocytes, chondrocytes, synovial cells, hepatocytes, endothelial, keratinocytes	IL-1 signaling	IL-1α, IL-1β, IL1ra
CD121b	IL-1R, type II	60-70	B cells, monocytes, macrophages, neutrophils	IL-1 signaling, decoy receptor for IL-1b	IL-1α, IL-1β, IL1ra
CD122	IL2RB	75	NK, T, B, monocytes, macrophages	associates with CD25, CD132 and CD215, signal transduction	IL-2, IL-15
CD123	IL3RA	70	lymphocyte subset, basophils, hematopoietic progenitors, macrophages, DC, megakaryocytes	associates with CD131	IL-3
CD124	IL4R	140	mature T and B, hematopoietic precursors, fibroblast, epithelial, endothelial	associates with CD132 and IL-13Rα, T cell growth/ differentiation	IL-4, IL-13
CD125	IL5RA	60	eosinophils, basophils, B, mast	associates with CD131	IL-5
CD126	IL6R	80	B^{act}, T, monocytes, fibroblasts	associates with CD130	IL-6
CD127	IL7R	65-75	T, B cell precursors, thymocytes	associates with CD132, B and T cell development	IL-7
CD129	IL9R	64	T, B, erythroid and myeloid precursors, mast, macrophages, epithelial	associates with CD132, B and T cell development	IL-9
CD130	IL-6Rβ, gp130, IL6ST	130	B^{act}, plasma cells, T, monocytes, endothelial	associates with CD126, LIF-R, OSMRb, signal transduction	oncostatin M, IL-6, LIF
CD131	CFS2RB, IL-3R common β	95-120	monocytes, granulocytes, early B	associates with CD123, CD125, CD116, signal transduction	
CD132	Common γ, IL2RG	64	T, B, NK, monocytes, macrophages, granulocytes	associates with CD25, CD122, CD124, CD127, CD129, and CD215, signal transduction	
CD133	AC133, prominin-like 1, PROM1	120	HSC and progenitors, epithelial and endothelial precursors		
CD134	OX-40, TNFRSF4	48-50	T^{act}, Treg	T cell activation, differentiation, apoptosis	CD252
CD135	Flt3/Flk-2	130-150	myelomonocytic, primitive B progenitors	receptor tyrosine kinase, early lymph development	FLT3 ligand
CD136	MSP-R, RON, MST1R	180	epithelial , CNS, PNS, hematopoietic subset	migration, morphological change and proliferation of different target cells	MSP, HGF1
CD137	4-1BB, TNFRSF9	30	T^{act}, B^{act}	T costimulation	4-1BB ligand
CD138	Syndecan-1	80-150	plasma cells, pre-B, basolateral surface of epithium, neurons	cell morphology, adhesion and migration	ECM
CD139		228	B, monocytes, granulocytes, erythrocytes^{low}, FDC		
CD140a	PDGFRA, PDGFRα	180	mesenchymal, fibroblasts, glial cells, monocytes, endothelial	tyrosine kinase receptor	PDGF-A, PDGF-B, PDGF-C
CD140b	PDGFRB, PDGFRβ	180	mesenchymal, endothelial, stromal cells	tyrosine kinase receptor	PDGF-B
CD141	Thrombomodulin, THBD	100	monocytes, neutrophils, endothelial, smooth muscle cells	initiation of protein C anticoagulant signal	thrombin
CD142	Tissue Factor, TF, F3	45	monocytes, endothelial, keratinocytes, epithelial	initiator of clotting	factor VIIa
CD143	ACE	170	endothelial, epithelial, neurons, fibroblasts, macrophages^{act}	angiotensin converting enzyme	angiotensin I, bradykinin
CD144	VE-Cadherin, Cadherin-5	130	endothelial, stem cells	adhesion, endothelium biology	CD144, β-catenin
CDw145		90, 110	endothelial		
CD146	MUC18, S-endo, MCAM, Mel-CAM	113-118	endothelial, melanoma, FDC, T^{act}	adhesion	
CD147	Neurothelin, basoglin, EMMPRIN, BSG	28	leukocytes, erythrocytes, platelets, endothelial	adhesion	CD62E
CD148	HPTP-eta, PTPRJ, DEP-1	240-260	granulocytes, monocytes, DC, T^{act}	tyrosine phosphatase R Type III, signaling	
CD150	SLAM, IPO-3	75-95	T subset (high upon activation), B, DC, endothelial	costimulation, proliferation, Ig production, measles virus receptor, T and B cell activation	CD150
CD151	PETA-3, Tspan-24, RAPH	32	endothelial, megakaryocytes, platelets, epithelial	cell adhesion, associates with integrins	
CD152	CTLA-4	33	T^{act} and B	negative regulation of T cell activation	CD80, CD86
CD153	CD30L, TNFSF8	40	T^{act}, macrophages, netrophils, B	T costimulation	CD30
CD154	CD40L, gp39, TRAP, TNFSF5	32-39	T^{act}, B, macrophages, DC	B and DC costimulation	CD40
CD155	PVR, NECL5	80-90	monocytes, macrophages	cell migration and adhesion, associates with CD113	polio virus, CD96
CD156a	ADAM8, MS2	69	neutrophils, monocytes, granulocytes	leukocyte extravasation, adhesion	
CD156b	TACE/ADAM 17	100	T, neutrophils, monocytes, macrophages, DC, enothelial	cleaves membrane proteins (TNF, TGFα) to generate soluble forms	
CD156c	ADAM10	98	neural precursors, fibroblasts, leukocytes	proteolytic cleavage of cell-surface molecules including Notch, TNF-α, APP and ephrin-A2	
CD157	BST-1	42-45	granulocytes, monocytes, B progenitors, endothelial	ADP-ribosyl-cyclic ADP-ribose hydrolase activities, pre-B cell growth	
CD158a	KIR2DL1, p58.1	50-58	NK subset, T subset	inhibition of NK cell cytolytic activity, MHC class-I specific NK receptor	HLA-C
CD158b1	KIR2DL2, p58.2	50-58	NK subset, T subset	inhibition of NK cell cytolytic activity, MHC class-I specific NK receptor	HLA-C
CD158b2	KIR2DL3, p58.2	50-58	NK subset, T subset	inhibition of NK cell cytolytic activity, MHC class-I specific NK receptor	HLA-C
CD158d	KIR2DL4	41	NK subset, T subset	inhibition of NK cell cytolytic activity, MHC class-I specific NK receptor	HLA-G
CD158e	KIR3DL1	70	NK subset, T subset	inhibition of NK cell cytolytic activity, MHC class-I specific NK receptor	HLA-B
CD158f	KIR2DL5A	50-58	NK subset, T subset	inhibition of NK cell cytolytic activity, MHC class-I specific NK receptor	HLA-B
CD158g	KIR2DS5		NK subset, T subset	activation of NK cell cytolytic activity, MHC class-I specific NK receptor	
CD158h	KIR2DS1	50	NK subset, T subset	activation of NK cell cytolytic activity, MHC class-I specific NK receptor	HLA-C
CD158i	KIR2DS4	35, 58	NK subset, T subset	activation of NK cell cytolytic activity, MHC class-I specific NK receptor	HLA-C
CD158j	KIR2DS2	50	NK subset, T subset	activation of NK cell cytolytic activity, MHC class-I specific NK receptor	HLA-C
CD158k	KIR3DL2	70	NK subset, T subset	inhibition of NK cell cytolytic activity, MHC class-I specific NK receptor	
CD158z	KIR3DL3		NK subset, T subset	inhibition of NK cell cytolytic activity, MHC class-I specific NK receptor	
CD159a	NKG2A, KLRC1	43	T subset, NK	associates with CD94, inhibition of NK cell cytolytic activity	HLA-E
CD159c	NKG2C, KLRC2	40	T subset, NK	associates with CD94, inhibition of NK cell cytolytic activity	HLA-E
CD160	BY55,NK1, NK28	27	NK subset, T subset	costimulation of CD8 T	HLA-C
CD161	NKR-P1A, KLRB1	40	T subset, NK	NK cell-mediated cytotoxicity	
CD162	PSGL-1	120	monocytes, granulocytes, most lymphocytes, HSC	leukocyte adhesion, rolling	CD62P, CD62E, CD62L
CD162R	PEN-5	110-140	NK subset	homing receptor for NK cells	CD62L
CD163	M130, GHI/61, D11, RM3/1	130	monocytes, macrophages	hemoglobin/haptoglobin scavenger receptor	
CD164	MGC-24, MUC-24	80	HSC, embryonal tissue, monocytes, stromal cells	putative role in intracellular adhesion, hematopoietic progenitor cell-stromal cell interaction	
CD165	AD2, gp37	42	lymphocytes, thymocytes, platelets, epithelial	adhesion, thymocyte-thymic epithelium interaction	
CD166	ALCAM	105	neurons, monocytes, epithelial, fibroblasts, T^{act}	migration, adhesion	CD6
CD167a	DDR1	120	epithelial, DC	tyrosine kinase, adhesion	collagen
CD168	RHAMM	84-88	myelomonocytic lineage and DC	associates with CD44, adhesion, tumor migration, metastasis	
CD169	sialoadhesin, Siglec-1	185	tissue macrophage subset	adhesion, cell-cell and cell-matrix interactions	CD43, CD206, CD227
CD170	Siglec-5, CD33-like2	140	macrophage subset, neutrophils, DC, monocytes	adhesion	α2,3- and α2,6-linked sialic acid
CD171	L1	200-210	glial cells, monocytes, T subset, B, DC, neurons	adhesion and migration	CD9, CD24, CD56, CD142, CD166, CD171, neurocan, phosphocan, laminin
CD172a	SIRPα, SHPS-1	110	monocytes, macrophages, granulocytes T subset, stem	adhesion, signaling	CD47
CD172b	SIRPβ1	50	monocytes, granulocytes, DC	negative regulation of RTK-coupled signaling, associates with DAP12	
CD172g	SIRPγ, SIRPβ2	45-50	T, NK, B	negative regulation of RTK-coupled signaling	CD47
CD173	Blood group H type 2, blood group type O		erythrocytes, stem cell subset	biosynthetic precursor of the A and B antigens	
CD174	Lewis Y, FUT3, LeY		stem cell subset, epithelial	putative role as co-factor to pro-coagulant y	
CD175	TN antigen		stem cell subset	precursor for ABO antigens	
CD175s	Sialyl-Tn		erythroblasts, epithelial, endothelial	putative role in tumor metastasis	
CD176	TF, Thomson Friedenreich Ag		stem cell subset,erythrocytes, endothelial	putative role in tumor metastasis	
CD177	NB1, HNA-2A	56-62	neutrophil subset		
CD178	FasL, CD95L	38-42	T^{act}, testis, neutrophil, monocytes, NK	induces apoptosis	CD95
CD179a	VPREB1, IGVPB	16-18	pro- and pre-B	B cell differentiation/signaling, associates with CD179b and IgM	
CD179b	IGLL1, IGO	22	pro- and pre-B	B cell differentiation/signaling, associates with CD179a and IgM	
CD180	RP-105, LY64	95-105	B subset, monocytes, DC	B cell activation, LPS signaling, associates with MD-1	
CD181	CXCR1, IL-8RA	39	neutrophils, basophils, NK, T subset, monocytes	neutrophil chemotaxis, phospholipase D activation, repiratory burst	IL-8
CD182	CXCR2, IL-8RB	40	neutrophils, basophils, NK, T subset, monocytes	chemotaxis of neutrophils	IL-8, GRO-α, β, γ and NAP-2
CD183	CXCR3	40	eosinophils, T^{act}, NK, GM-CSF activated CD34+ progenitors	associates with CXCL-10 (IP10), CXCL9 (Mig) and CXCL11 (I-TAC), chemotaxis of T cells	
CD184	CXCR4, fusin	45	B, DC, T subset, monocytes, endothelial, epithelial, granulocytes	cell migration and HIV entry	CXCL12, HIV-1
CD185	CXCR5, BLR1	45	mature B, T subset, monocytes and Burkitt Lymphoma cells	cell migration	CXCL13
CD186	CXCR6, BONZO	40	T^{act}, B subset, NK subset	coreceptor for SIV, strains of HIV-2 and m-tropic HIV-1	CXCL16
CD191	CCR1, MIP-1αR, RANTES-R	39	T, monocytes, macrophages, NK, DC, stem cell subset	binds C-C type chemokines	CCL4, CCL5, CCL6, CCL14, CCL15, CCL16, CCL23
CD192	CCR2, MCP-1-R	40	NK^{act}, monocytes^{act}, basophils, macrophages, T subset, B, endothelial	alternative coreceptor for HIV-1	CCL2, CCL8, CCL16
CD193	CCR3, CKR3	45	eosinophils, basophils, T subset	alternative coreceptor for HIV-1	CCL11, CCL26, CCL7, CCL13, CCL15, CCL24, CCL5, CCL28
CD195	CCR5	45	lymphocytes, monocytes, macrophages and immature DC	coreceptor for HIV-1	CCL2, CCL3, CCL4, CCL5, CCL11, CCL13, CCL14, CCL16
CD196	CCR6, LARC receptor, DRY6	45	T subset, B, DC subset, Langerhans	binds β-defensins	CCL20
CD197	CCR7, EBI-1	45	T subset, DC subset, B	cell migration to secondary lymphoid tissue	CCL19, CCL21
CDw198	CCR8, GPRCY6, TER1	50	T, high in Th2, NK, monocytes	allergic inflammation, alternative coreceptor for HIV-1	CCL1
CDw199	CCR9, GPR-9-6	43	subset of memory T, lamina propria mononuclear cells	cell migration, alternative coreceptor for HIV-1	CCL25
CD200	OX-2	45-50	thymocytes, endothelial, B^{act}, T^{act}	inhibition of immune response	OX-2R
CD200R	OX-2R	48	myeloid lineage	inhibitory receptor, inhibits TNFα secretion	CD200
CD201	EPC-R, PROCR	50	endothelial subset	involved in blood coagulation	protein C
CD202b	Tie2, Tek	150	stem cells, endothelial	receptor tyrosine kinase involved in angiogenesis	angiopoietin-1
CD203c	ENPP3, PDNP3, PD-1b	130-150	basophils, mast, glioma cells, HSC	ectoenzyme, binding to and clearance of extracellular nucleotides	nucleotides
CD204	MSR-1, SRA	220	macrophages, DC	endocytosis of macromolecules	LDL
CD205	DEC-205	205	DC, thymic epithelial	endocytic receptor for antigen up-take/processing	
CD206	MRC1	180	DC subset, macrophages	phagocytosis and pinocytosis of mannose containing molecules	oligomannose-containing carbohydrates
CD207	Langerin	40	Langerhans, DC	endocytic receptor	mannose-bearing glycoproteins and glycolipids
CD208	LAMP3, DC-LAMP	70-90	DC^{act}, interdigitating DC	putative role in sorting MHC Class II	
CD209	DC-SIGN	44	DC subset, macrophages	involved in innate immunity, HIV-1 binding protein	CD50, CD102
CDw210a	IL10RA, IL-10Rα		T, B, NK, monocytes, macrophages	signaling	IL-10
CDw210b	IL10RB, IL-10Rβ		T, B, NK, monocytes, macrophages		IL-10, IL-22
CD212	IL-12Rβ1, IL12RB1	100	T^{act}, NK^{act}	associates with IL-12 receptor β2	IL-12
CD213a1	IL-13Rα1, IL13RA1	65	B, monocytes, fibroblasts, endothelial	associates with CD124	IL-13
CD213a2	IL-13Rα2, IL13RA2	65	B, monocytes, fibroblasts, endothelial	signaling	IL-13
CD215	IL-15Rα		T, B	associates with CD132 and CD122	IL-15
CD217	IL-17R	120	B, T, NK, granulocytes, monocytes, macrophages	involved in inflammation	IL-17
CD218a	IL18R1, IL-18Rα, IL-1Rrp	70	lymphocytes, neutrophils, monocytes, granulocytes, endothelial, NK, DC	associates with CD218b	IL-18
CD218b	IL-18Rβ, IL18RAP	70	T, NK and DC	associates with CD281a to enhance IL-18 binding	IL-18
CD220	INSR, Insulin-R	140, 70	leukocytes, fibroblasts, endothelial, epithelial	signaling	insulin
CD221	IGF-1R, IGFR	70, 140	broad expression	signaling, cell proliferation, differentiation	IGF-I, IGF-II, insulin
CD222	IGF2R, M6P-R	250	fibroblasts, granulocytes, lymphocytes and myocytes, 90-95% intracellular	adhesion, tumor growth	TGFβ-LAP, plasminogen, proliferin, LIF, IGFII, HSV
CD223	LAG-3	70	T^{act} and NK	lymphocyte activation	MHC class II
CD224	GGT1	27, 68	lymphocytes, monocytes, granulocytes, endothelial, stem	maintains cellular redox, maintains intracellular glutathione (GSH) concentrations	
CD225	Leu-13	17	leukocytes, endothelial	associates with complexes of CD81, CD19 and CD21	
CD226	DNAM-1, PTA-1, TLiSA1	65	T, NK, monocytes, platelets, HUVEC^{act}	intercellular adhesion, lymphocyte signaling, cytotoxicity, associates with CD11a/CD18	CD112, CD155
CD227	MUC1, EMA	300	epithelial, stem cell subset, FDC, monocytes, B subset, some myelomas	adhesion, signaling	CD54, CD169, selectins
CD228	MF12, Melanotransferrin	80-95	stem, melanomas	iron transport	iron, pro-UPA, plasminogen
CD229	Ly-9	95, 110	T, B	adhesion, costimulation, homophilic interaction	CD229
CD230	PRNP, Prion protein	35	neurons, FDC	protects cells from apoptosis	
CD231	TSPAN7, TALLA-1	30-45	T leukemias, neuroblastomas, brain neurons	marker for T-ALL	
CD232	PLXNC1, VESP-R	200	B, NK, DC, neuronal cells, monocytes, granulocytes	associates with CD108 and poxvirus semaphorin-like protein A39R	
CD233	Band 3, SLC4A1, EPB3	90	erythrocytes	anion exchanger pump, transport of CO2, linking red cell membrane to cytoskeleton	
CD234	Duffy, DARC	35-45	erythrocytes, endothelial, epithelial	chemokine decoy receptor	CXCL1, CXCL5, CXCL8, CCL2, CCL5, CCL7
CD235a	Glycophorin A	36	erythrocytes, HSC	major sialoglycoproteins of the erythrocyte membrane, antigenic determinants for the MN and Ss blood groups	CD170, influenza virus, erythrocyte binding antigen (EBA-175) of Plasmodium falciparum
CD235b	Glycophorin B	20	erythrocytes	major sialoglycoproteins of the erythrocyte membrane, antigenic determinants for the MN and Ss blood groups	
CD236	Glycophorin C/D	32, 23	erythrocytes, stem cell subset	Gerbich blood group antigen	
CD236R	Glycophorin C	32	erythrocytes, stem cell subset	Gerbich blood group antigen	
CD238	Kell	93	erythrocytes, stem cell subset	zinc endopeptidase	
CD239	B-CAM	78-85	erythrocytes, stem cell subset, fibroblasts	adhesion, signaling	laminin α5 chain
CD240CE	Rh30CE, RHCE	30-32	erythrocytes	Rh blood group system	
CD240D	Rh30D, RhD, RH1	30-32	erythrocytes	Rh blood group system	
CD241	RhAg, Rh50	50	erythrocytes	complex with CD47, LW, glycophorin B	
CD242	ICAM-4	42	erythrocytes	adhesion, Landsteiner-Wiener blood group	CD11a/CD18, CD11b/CD18, CD51, CD29, integrin β5
CD243	MDR-1, p170, P-gp	180	stem cells, endothelial, epithelial	ATP-dependent efflux transporter	
CD244	2B4, p38 , NKLR2B4	70	T subset, monocytes, basophils, NK	NK activation, T costimulation	CD48
CD245	p220/240, DY12, DY35	220-240	lymphocytes, platelets, monocytes, granulocytes, NK	signal transduction; costimulation of T and NK	
CD246	ALK	80	anaplastic T cell leukemias, small intestine, testis, brain	brain development, implicated in ALK lymphomas	pleiotrophin, midkine
CD247	TCRζ, CD3ζ	16	T, NK subset	TCR complex subunit, coupling of antigen recognition to signaling	
CD248	TEM1, Endosialin	175	endothelial tissue, stromal fibroblasts	tumor angiogenesis	
CD249	Aminopeptidase A	160	epithelial, endothelial	associates with angiotensin II and cholecystokinin-8	
CD252	OX-40 Ligand, gp34, TNFSF4	34	B, DC, mast, endothelial, cardiac myocytes	T costimulation	CD134
CD253	TRAIL, APO-2L, TL2, TNFSF10	32	T, DC, B^{act}, NK, monocytes	apoptosis	CD261, CD262, CD263, CD264, OPG
CD254	TRANCE, RANKL, TNFSF11	35	lymph node and BM stroma, T^{act}, osteoblasts, osteoclasts	osteoclast differentiation, enhances DC stimulation of naïve T proliferation	CD265, OPG
CD255	TNFSF12, TWEAK, APO3L	18, 30-35	endothelial cells, smooth muscle, fibroblasts	induces apoptosis, promotes angiogenesis	CD266
CD256	APRIL, TALL-2, TNFSF13	16	monocytes, macrophages, leukocytes, myeloid	B proliferation, apoptosis	CD267, CD269
CD257	BLyS, BAFF, TNFSF13b	31	DC, monocytes^{act}, B, macrophages, myeloid cells	B cell growth factor and costimulator of Ig production	CD267, CD268, CD269
CD258	LIGHT, TNFSF14	28	T^{act}, monocytes^{act}	B cell survival and activation	CD270, LTβR
CD261	TRAIL-R1, DR4, TNFRSF10a	57	T^{act}	induces apoptosis via FADD and caspase 8	CD253
CD262	TRAIL-R2, DR5, TNFRSF10b	60	leukocytes	induces apoptosis via FADD and caspase 8	CD253
CD263	TRAIL-R3, DcR1, LIT, TNFRSF10c	65	T, B, NK, macrophages, monocytes, granulocytes	inhibits CD253 mediated apoptosis	CD253
CD264	TRAIL-R4, TRUNDD, DcR2, TNFRSF10D	35	T, B, NK, macrophages, monocytes, granulocytes	decoy receptor, inhibits apoptosis	CD253
CD265	RANK, TRANCE-R, ODFR, TNFRSF11A	97	broad expression, DC, osteoclasts	osteoclastogenesis, T-DC interactions	CD254
CD266	TWEAK-R, FGF-inducible 14, TNFRSF12A	14	vascular endothelial and epithelial cells, keratinocyte	cell-matrix interactions and endothelial growth and migration	CD255
CD267	TACI, TNFRSF13B	32	B, myeloma	involved in the stimulation of T cell function	CD256, CD257
CD268	BAFFR, TR13C, TNFRSF13C	25	B, T subset	mature B survival	CD257
CD269	BCMA, TNFRSF17	20	mature B (membrane and perinuclear), plasma cells	B survival and proliferation	CD256, CD257
CD270	TNFRSF14, HVEM	30	T, monocytes, DC	stimulatory and inhibitory signaling	CD258, CD272, HSV-1, HSV-2
CD271	NGFR, TNFRSF16	45	neurons (Schwann cells), BM mesenchymal cells, DC subset, monocytes	mediates cell survival as well as cell death	NGF, BDNF, NT-3, NT-4
CD272	BTLA	33	T^{act}, B^{act}, Th1, macrophages, DC	attenuation of T-cell activation	CD270
CD273	B7DC, PD-L2, PDCD1L2, PDCD1LG2	25	DC subset, monocytes, macrophages	costimulation or suppression of T proliferation	CD279
CD274	B7-H1, PD-L1, PDCD1LG1	33	macrophages, epithelial, DC, NK, monocytes^{act}, T^{act}, B^{act}	costimulation or suppression for T cells	CD279
CD275	B7-H2, ICOSL, B7-RP1, GL50, ICOSLG	60	endothelial, macrophages, DC, T, B, monocytes^{act}	costimulation, cytokine production	CD278
CD276	B7-H3	40-45	epithelial, NK, monocytes^{act}, B, T, DC subset	regulation of T cell-mediated immune response	
CD277	BT3.1, BTF5, BTN3A1	56	B, T, NK, DC, monocytes, endothelial, stem cell subsets	regulator of T cell activation and function	
CD278	ICOS, AILIM	55-60	T^{act}, Th2	T costimulation	CD275
CD279	PD1, SLEB2, PDC1	55	T^{act} , B^{act}, thymocytes	associated with apoptotic programmed cell death and the inhibition of T cell proliferation	CD273, CD274
CD280	UPARAP, MRC2	180	chondrocytes, osteoclasts, osteocytes, endothelial, macrophages	collagen matrix remodeling and endocytic recycling	collagen
CD281	TLR1	90	DC, keratinocytes, macrophages, monocytes, neutrophils	pathogen recognition, activation of innate immunity, associates with CD282	lipoprotein, lipopeptide
CD282	TLR2	90	monocytes, macrophages, granulocytes, keratinocytes, DC, neutrophils	pathogen recognition, activation of innate immunity, associates with CD281 and CD286	lipoproteins and glycans
CD283	TLR3	100	fibroblasts, epithelial, myeloid DC (may be intracellular)	pathogen recognition, activation of innate immunity	dsRNA
CD284	TLR4	100	monocytes, DC, macrophages, granulocytes, endothelial, T^{act}	innate immune response to bacterial LPS, associates with MD2 and CD14	LPS
CD286	TLR6	90	macrophages, monocytes, epithelial, endothelial	innate immune response to bacterial LPS, associates with MD2 and CD14	LPS
CD288	TLR8	110	leukocytes, monocytes, DC	pathogen recognition, activation of innate immunity	bacterial diacyl-lipopeptides
CD289	TLR9	120	pDC (intracellular), B^{act}	pathogen recognition, activation of innate immunity	CpG-DNA
CD290	TLR10	90	pDC, B^{act}	pathogen recognition, activation of innate immunity	
CD292	BMPR1A, ALK3	57	bone progenitor cells, chondrocytes, epithelial	bone development	BMP-2, BMP-4
CD293	BMPR1B, ALK6	57	epithelial, mesenchymal and bone progenitors	bone development	BMP-7, GDF5
CD294	CRTH2. GPR44	55-70	Th2, eosinophils, basophils	stimulatory effects on Th2, allergic inflammation	binds prostaglandin D2
CD295	LeptinR, LEPR	132	hematopoietic cells	adipose metabolism, immune dysfunction in obesity	leptin
CD296	ART1, RT6, ART2	37	heart and skeletal muscle, T subset, NK, neutrophils, epithelial	ADP ribosylation of target proteins, associates with PDGFβ, integrins and defensin	
CD297	ART4, dombrock blood group, DOK1	38	erythroid, T, monocytes^{act}	ADP ribosylation of target proteins	
CD298	ATP1β3	52	all leukocytes	transport sodium and potassium ions across membrane	
CD299	DC-SIGN-related, LSIGN, DC-SIGN2, CLEC4M	45	endothelial subset	pathogen recognition receptor	CD50, HIV-1 gp120
CD300a	CMRF35H, IRC1, IRp60	60	T subset, B, monocytes, mast, granulocytes, NK, neutrophils, DC	proposed inhibitory receptor	
CD300c	CMRF35A, LIR	23	monocytes, neutrophils, NK, DC, B and T subsets	proposed activating receptor	
CD300e	CMRF35L	45	monocytes, macrophages, neutrophils	proposed activating receptor	
CD300f	IREM1, MAIR-V	60	myeloid	inhibitory receptor	
CD301	MGL, HML, CLEC10A	38	immature DC, macrophages	uptake of glycosylated antigens	
CD302	DCL1, BIMLEC	19-28	macrophages, granulocytes, monocytes, DC	fusion protein in Hodgkin's lymphoma with CD205	
CD303	BDCA2, HECL	38	pDC, neutrophils, macrophages	inhibit IFN-α/β production	
CD304	BDCA4, neuropilin 1, NRP1	130	neurons, Treg, DC, endothelial	angiogenesis and cell survival, migration and invasion	semaphorin-3A, vascular endothelial growth factor A, plexin-1
CD305	LAIR1	32-40	NK, B, T, monocytes, DC	inhibitor of cell function	
CD306	LAIR2	16	monocytes, T	soluble, mucosal tolerance, thought to inhibit cellular activation and inflammation	
CD307a	FCRL1	55-105	B subset, B lymphoma	regulating B cell activation, development and differentiation	
CD307b	FCRL2		B subset	may have a regulatory role in normal and neoplastic B cell development	
CD307c	FCRL3		B subset	may play a role in regulation of the immune system	
CD307d	FCRL4		B subset	may function as an inhibitor of the B cell receptor signaling	
CD307e	FCRL5		B subset	may be involved in B cell development and differentiation	
CD309	VEGFR2, KDR	230	endothelial, megakaryocytes, platelets, primitive stem cell subsets	regulates adhesion and cell signaling, angiogenesis	VEGF
CD312	EMR2	90	monocytes, macrophages, monocyte-derived DC	cell adhesion and migration for phagocytosis	chondroitin sulfate, glycosaminoglycan, CD55
CD314	NKG2D, KLRK1	42	NK, T subset	activates cytolysis and cytokine production, costimulation	MICA, MICB, ULBP1, ULBP2, ULBP3
CD315	CD9P1, SMAP6, FPRP, PTGFRN	135	B subset, monocytes^{act}, endothelial, epithelial	associates with CD81 and CD9, regulates cell motility and polarity	
CD316	EWI2, PGRL, CD81P3, KASP, IGSF8	63-75	B, T, NK	associates with CD81 and CD9	
CD317	BST2, HM1.24	30-36	B, T, NK, monocytes, DC, BM stromal cells	B cell growth and development	
CD318	CDCP1, SIMA135	135	HSC (subset of CD34+), epithelial	cell adhesion with ECM	
CD319	CRACC, SLAMF7	66	B^{act} and DC subset, NK	regulates T and NK cells	CD319
CD320	8D6A, 8D6	30	FDC, germinal centers	development of germinal centers and proliferation of B cells	
CD321	JAM1, F11R	35	endothelial, epithelial, erythrocytes, platelets, neutrophils, monocytes, lymphocytes	formation of tight junctions	CD11a/CD18, reovirus
CD322	JAM2, VE-JAM	43	HEV, endothelial, B, monocytes, T subsets	cell adhesion, lymphocyte homing to secondary lymphoid organs, formation of tight junctions	PAR-3, CD49d/CD29
CD324	E-Cadherin, CDH1	120	non-neural epithelial, stem cells, erythroblasts, keratinocytes, trophoblasts, platelets	cell adhesion, homotypic interaction	CD103, PS1, catenins, internalin
CD325	N-Cadherin, NCAD, CDH2	140	endothelial , stem cells, muscle cells, osteoblasts, neurons, BM stromal cells	forms a complex with catenins that is linked to the actin cytoskeleton	N-Cadherin, catenins, FGFR, PS1
CD326	EpCAM, TACSTD1	35-40	epthelial	cell adhesion, metastatic carcinoma cell marker	CD305, CD306
CD327	SIGLEC6	49	placenta, spleen, B, neutrophils, granulocytes trophoblasts	adhesion, cell-cell interactions	sialyl-Tn motifs, leptin
CD328	SIGLEC7, AIRM-1	75	resting and activated NK, granulocytes, monocytes, T	may inhibit regulation of T cell and NK cell activation	α2,3- and α2,6-linked sialic acid
CD329	SIGLEC9	50	neutrophils, monocytes	negative regulation of immune responses	α2,3- and α2,6-linked sialic acid
CD331	FGFR1, Fms-like tyrosine kinase-2, KAL2, N-SAM	30	fibroblasts, epithelial, endothelial	cell division, regulation of cell growth and maturation, formation of blood vessels	aFGF, bFGF
CD332	FGFR2, BEK, KGFR	115-135	fibroblasts, epithelial, mesenchymal cells	cell division, regulation of cell growth and maturation, formation of blood vessels	aFGF, bFGF
CD333	FGFR3, ACH, CEK2	115	fibroblasts, epithelial	cell division, regulation of cell growth and maturation, formation of blood vessels	aFGF, bFGF
CD334	FGFR4, JTK2, TKF	110	lymphocytes, macrophages, fibroblasts, skeletal muscle, epithelial	cell division, regulation of cell growth and maturation, formation of blood vessels	aFGF, bFGF
CD335	NKp46, NCR1	46	NK	delivers activating signals via association with CD3ζ	viral HA, heparan sulfate proteoglycans
CD336	NKp44, Ly-95 homolog, NCR2	44	NK	delivers activating signals via association with DAP12/ KARAP	viral HA
CD337	NKp30, Ly-117, NCR3	30	NK	delivers activating signals via association with CD3ζ	membrane-associated heparan sulphate proteoglycans
CD338	ABCG2, BCRP, Bcrp1, MXR	73	stem cell subset (side population)	multi-drug resistance transporter, transport of molecules across cell membranes	
CD339	Jagged-1, JAG1, JAGL1, hJ1	135	BM stroma, epithelial	cell fate decisions during hematopoiesis	Notch 1, Notch 2, Notch 3
CD340	HER2/neu, ERBB2, p185HER2	185	BM, mesenchymal stem, tumor	member of the ERBB family of receptor tyrosine kinases	
CD344	FZD4, frizzled-4, Fz-4, hFz-4, FzE4	59	adult kidney, lung, brain, liver, neuronal progenitors	activation of the Wnt/β-catenin pathway	Wnt, norrin
CD349	FZD9, frizzled-9, Fz-9, hFz-9	65	adult and fetal brain, testis, eye, skeletal muscle, kidney, BM mesenchymal stem	activation of the Wnt/β-catenin pathway	Wnt-2, Wnt-7a.
CD350	FZD10, frizzled-10, Fz-10, hFz-10	65	placenta and kidney; fetal lung and brain	activation of the Wnt/β-catenin pathway	Wnt
CD351	Fcα/mR, FCAMR	58			IgA, IgM
CD352	SLAMF6		NK, T, B	enhances cytokine production and proliferation	
CD353	SLAMF8, BLAME		monocytes, macrophages, B, DC		
CD354	TREM-1		monocytes, macrophages, neutrophils, granulocytes, DC, NK	associates with DAP12, mediates pro-inflammatory signaling	
CD355	CRTAM		NK^{act}, CD8 T^{act}, B	adhesion	Necl-2
CD357	TNFRSF18, GITR, AITR		T^{act}, Treg	participates in dominant immunological self-tolerance	TNFSF18
CD358	TNFRSF21		hematopoietic and non-hematopoietic cells, tumor cells	apoptosis	APP
CD360	IL-21R		NK, monocytes, granulocytes, B, T	associates with CD132, activation, proliferation, development, apoptosis	IL-21
CD361	EVI2b, EVDB		widely expressed in hematopoietic cells		
CD362	Syndecan-2		granulocytes, monocytes, T subset, B subset	adhesion, migration	CD267
CD363	S1PR1		NK, B, T	adhesion, migration, cytoskeletal organization	S1P

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