

## Human CD antigens 2007

NAME	Alternate name	size	Family	Expression	Function
CD1a	T6	49kD	IgSF, MHC-like	cortical thymocytes, Langerhans cells, DC	antigen presentation, w/ BETA2m
CD1b	T6	45kD	IgSF, MHC-like	cortical thymocytes, Langerhans cells, DC	antigen presentation, w/ BETA2m
CD1c	T6	43kD	IgSF, MHC-like	cortical thymocytes, Langerhans cells, DC, B subset	antigen presentation, w/ BETA2m
CD1d		49kD	IgSF, MHC-like	intestinal epith, B subset, monolow, DC	antigen presentation, w/ BETA2m
CD1e		28kD	IgSF, MHC-like	DC	antigen presentation, w/ BETA2m
CD2	T11, LFA-2, SRBC-R	50kD	IgSF	thymocytes, T, NK	CD58 ligand, adhesion, T cell activation
CD2R	T11-3	50kD	IgSF	Tact	activation-dependent form of CD2
CD3GAMMA, CD3 delta	T3		IgSF	T, thymocyte subset	w/ TCR, TCR surface expression/signal transduction
CD3epsilon	T3	20kD	IgSF	T, thymocyte subset	w/ TCR, TCR surface expression/signal transduction
CD4	T4	55kD	IgSF	thymocyte subset, T subset, mono, mac	MHC class II coreceptor, HIV receptor, T cell differentiation/activation
CD5	T1, Tp67	67kD	Scavenger R SF	thymocytes, T, B subset, B-CLL	CD72 receptor, TCR or BCR signaling, T-B interaction
CD6	T12	100-130kD	Scavenger R SF	thymocytes, T, B subset	CD166 receptor, T cell differentiation/costimulation
CD7		40kD	IgSF	hematopoietic progenitors, thymocytes, T, NK	T costimulation
CD8a	T8, Leu-2	32-34kD	IgSF	thymocyte subset, T subset, NK	MHC class I coreceptor, receptor for some mutated HIV-1, T cell differentiation/activation
CD8b		30-32kD	IgSF	thymocyte subset, T subset	
CD9	p24, MRP-1	22-27kD	TM4SF	pre-B, eosinophils, basophils, platelets, Tact	cellular adhesion and migration
CD10	CALLA, NEP, gp100	100kD	type II TM	B precursors, T precursors, neutrophils	zinc-binding metalloproteinase, B cell development
CD11a	LFA-1, integrin AlphaL	180kD	Integrin family	lymph, gran, mono, mac	CD11a/CD18 receptor for ICAM-1, -2, -3, intercellular adhesion, T costimulation
CD11b	Mac-1, integrin AlphaM	170kD	Integrin family	myeloid cells, NK	binds CD54, ECM, iC3b
CD11c	p150, 95, CR4, integrin AlphaX	150kD	Integrin family	myeloid cells, NK, B, T subset	binds CD54, fibrinogen and iC3b
CDw12		90-120kD		mono, gran, platelets	
CD13	Aminopeptidase N, APN	150-170kD	type II TM	myeloid cells	zinc-binding metalloproteinase, antigen processing, receptor for corona virus strains
CD14	LPS-R	53-55kD	GPI-linked	mono, mac, Langerhans cells, granlow	receptor for LPS/LBP, LPS recognition
CD15	Lewis-x, Lex		CHO	neutrophils, eosinophils, mono	adhesion
CD15s	Sialyl Lewis X		CHO	neutrophils, eosinophils, mono, memory helper T, Tact and B, NK, HEV	CD62L and CD62P ligand, adhesion
CD15u	Sulfated Lewis X		CHO	myeloid subset	adhesion
CD16a	FcGAMMARIIA	50-65kD	IgSF	neutrophils, mac, NK	component of low affinity Fc receptor, phagocytosis and ADCC
CD16b	FcGAMMARIIB	48kD	IgSF	neutrophils	component of low affinity Fc receptor, phagocytosis and ADCC
CDw17				neutrophils, mono, platelets	lactosyl ceramide
CD18	Integrin BETA2	95kD	Integrin family	broad, all leukocytes	w/ CD11a, b & c, adhesion
CD19	B4	95kD	IgSF	B, FDC	complex w/ CD21 and CD81, BCR coreceptor, B cell activation/differentiation
CD20	B1, Bp35	33-37kD	TM4SF	B, T subset	B cell activation
CD21	C3DR, CR2,	145,110kD	CCRSF	B, FDC, T subset	complement C3d and EBV receptor,

	EBV-R				complex w/ CD19 and CD81, BCR coreceptor
CD22	BL-CAM, Siglec-2	150kD	IgSF, sialoadhesins	B	adhesion, B-mono, B-T interactions
CD23	FcεR/RII	45kD	C-type lectin	B, activated mac, eosinophils, FDC, platelets	CD19-CD21-CD81 receptor, IgE low affinity receptor, signal transduction
CD24	BA-1	35-45kD	GPI-linked	thymocytes, erythrocytes, peripheral lymph, myeloid	binds P-selectin
CD25	Tac, p55	55kD	type I TM	Tact, Bact, lymph progenitors	IL-2RAlpha, w/ IL-2RBETA and GAMMA to form high affinity complex
CD26	DPP IV	110kD	type II TM	thymocyte subset, Tact, soluble form	dipeptidyl peptidase, T costimulation, HIV entry
CD27	T14	50-55kD	TNFRSF	medullary thymocytes, T, B subset, NK subset	CD70 receptor, T costimulation
CD28	Tp44, T44	44kD	IgSF	most T, thymocytes, plasma cells	CD80, CD86 receptor, T costimulation
CD29	Integrin BETA1	130kD	Integrin family	lymph, mono, granlow, platelets, mast cells, fibroblasts, endoth	w/ CD49a (VLA-1) receptor for VCAM-1, MAdCAM-1 and ECM
CD30	Ki-1	105-120kD	TNFRSF	Bact, T and NK, Reed-Sternberg cells, anaplastic large cell lymphoma	CD153 receptor, lymph proliferation/apoptosis
CD31	PECAM-1	130-140kD	IgSF	mono, platelets, gran, endoth, lymph subset	CD38 receptor, adhesion
CD32	FcGAMMARII	40kD	IgSF	mono, gran, B, platelets	low affinity Fc receptor for aggregated Ig and immune complexes
CD33	p67, Siglec-3	67kD	IgSF, sialoadhesins	myeloid progenitors, mono, gran, DC, mast cells, Tact	adhesion
CD34		105-120kD	Sialomucin, type I TM	hematopoietic precursors, capillary endoth, embryonic fibroblasts	stem cell marker, adhesion, CD62L receptor
CD35	CR1	250kD	CCRSF	erythrocytes, B, mono, neutrophils, eosinophils, FDC, T subset	complement receptor 1, binds C3b and C4b, adhesion, phagocytosis
CD36	GPIV	88kD		platelets, mono, mac, endoth, early erythrocytes	ECM receptor, adhesion, phagocytosis
CD37		40-52kD	TM4SF	B, Tlow, granlow	signal transduction
CD38	T10	45kD		variable levels on majority of hematopoietic cells, high expression on plasma cells, B and Tact	ecto-ADP-ribosyl cyclase, cell activation
CD39		78kD	NK, mac, Langerhans cells, DC, Bact	B cell adhesion, protects activated cells from lysis, ecto-apyrase	
CD40		48kD	TNFRSF	B, mono, mac, FDC, endoth, T subset	CD154 receptor, B differentiation/costimulation, isotype-switching, rescues B cells from apoptosis
CD41	gpIIb	125/22kD	Integrin family	platelets, megakaryocytes	w/ CD61 forms GPIIb, binds fibrinogen, fibronectin, vWF, thrombospondin, platelet activation and aggregation
CD42a	GPIX	22kD	LRRF	platelets, megakaryocytes	complex w/ CD42b, c and d, receptor for vWF and thrombin, platelet adhesion to subendothelial matrices
CD42b	GPIba	145kD	LRRF	platelets, megakaryocytes	complex w/ CD42a, c and d, binds to vWF and thrombin, platelet adhesion/activation
CD42c	GPIbb	24kD	LRRF	platelets, megakaryocytes	complex w/ CD42a, b, d
CD42d	GPV	82kD	LRRF	platelets, megakaryocytes	complex w/ CD42a-c
CD43	Leukosialin, sialophorin	115-135kD	Sialomucin, type I TM	leukocytes, except resting B, plateletslow	inhibition of T cell interaction, CD54R, adhesion
CD44	H-CAM, Pgp-1	80-95kD	hyaladherin family	hematopoietic and non-hematopoietic cells, except platelets, hepatocytes, testis	binds hyaluronic acid, adhesion
CD44R	CD44v			CD44 variants heterogeneous expression, constitutively on epith, mono, upregulated on	adhesion, metastasis

				activated leukocytes	
CD45	LCA, T200, B220	180-240kD		hematopoietic cells, multiple isoforms from alternative splicing	tyrosine phosphatase, enhanced TCR & BCR signals
CD45RA		205-220kD		B, T subset(naive), mono	exon A isoforms of CD45
CD45RB		190-220kD		T subset, B, mono, mac, gran	exon B isoforms of CD45
CD45RO		180kD		Tact, memory T, B subset, mono, mac, gran	isoform of CD45 lacking A, B, C exons
CD46	MCP	56/66kD	CCRSF	nucleated cells	membrane cofactor protein, binds C3b & C4b allowing degradation by Factor I, measles virus receptor
CD47	IAP	47-52kD	IgSF	hematopoietic cells, epith, endoth, fibroblasts, other tissues	leukocyte adhesion, migration, activation
CD47R				New designation for CDw149, similar distribution as CD47 but dimmer	
CD48	Blast-1	45kD	IgSF	broad, all leukocytes	cell adhesion
CD49a	VLA-1	210kD	Integrin family	Tact, mono	integrin Alpha1, adhesion, CD49a/CD29 binds collagen and laminin
CD49b	VLA-2	165kD	Integrin family	B, mono, platelets, Tact, megakaryocytes	integrin Alpha2, adhesion, CD49b/CD29 binds collagen and laminin
CD49c	VLA-3	125kD	Integrin family	B and Tlow, most adhesive cell lines	integrin Alpha3, adhesion, CD49c/CD29 binds laminin, fibronectin and collagen
CD49d	VLA-4	150kD	Integrin family	T, B, NK, thymocytes, mono, eosinophils, mast, DC	integrin Alpha4, adhesion, CD49d/CD29 binds fibronectin, VCAM-1 & MAdCAM-1
CD49e	VLA-5	135, 25kD	Integrin family	thymocytes, T, mono, platelets, early and Bact	integrin Alpha5, adhesion, CD49e/CD29 binds fibronectin
CD49f	VLA-6	125kD	Integrin family	memory T, thymocytes, mono, platelets, megakaryocytes, epith	integrin Alpha6, adhesion, CD49f/CD29 binds laminin
CD50	ICAM-3	110-120kD	IgSF	hematopoietic, endoth, epidermal	Langerhans cells . adhesion, costimulation
CD51	Vitronectin receptor	125, 24kD	Integrin family	plateletslow, endoth, osteoblasts, melanomas	integrin Alphav, adhesion, CD51/CD61 binds vitronectin, vWF, fibrinogen and thrombospondin
CD52	CAMPATH-1	21-28kD		thymocytes, T, B (not plasma cells), mono, mac	
CD53		35-42kD	TM4SF	leukocytes, DC, osteoblasts, osteoclasts	signal transduction
CD54	ICAM-1	90-110kD	IgSF	endoth, mono, lymph (high upon activation)	receptor for CD11a/CD18 (LFA-1), CD11b/CD18 (Mac-1) and rhinovirus
CD55	DAF	60-70kD	GPI-linked	hematopoietic, endoth	binds C3b, complement regulation
CD56	NCAM	175-185kD	IgSF	NK, T subset, neurons, some large granular lymphocyte leukemias, myeloid leukemias	adhesion
CD57	HNK-1, Leu-7	110kD		NK subset, T subset	
CD58	LFA-3	55-70kD	IgSF	hematopoietic, non-hematopoietic cells	CD2 receptor, adhesion
CD59	Protectin, MAC-inhibitor	19kD	GPI-linked	hematopoietic, non-hematopoietic cells	binds complement C8 and C9, blocks assembly of membrane attack complex
CD60a	GD3		CHO	T subset, platelets, thymic epith, astrocytes	costimulation
CD60b	9-O-sialyl GD3		CHO	T subset, Bact	
CD60c	7-O-sialyl GD3		CHO	T subset	
CD61	GP1IIa	105kD	Integrin family	platelets, megakaryocytes, mac, endoth	integrin BETA3, adhesion, CD41/CD61 or CD51/CD61 mediate adhesion to ECM
CD62E	E-selectin, ELAM-1	97,107-115kD	Selectin family	endoth	binds CD15s, cell rolling, metastasis
CD62L	L-selectin, LECAM-1	74, 95kD	Selectin family	B, naive and memory T, mono, gran, NK, thymocytes	CD34, GlyCAM, and MAdCAM-1 receptor, leukocyte homing, tethering, rolling

CD62P	P-selectin, PADGEM	140kD	Selectin family	activated platelets, endoth	CD162, CD15s receptor, adhesion, neutrophil rolling, platelet-neutrophil and platelet-mono interactions
CD63	LIMP, LAMP-3	53kD	TM4SF	activated platelets, mono, mac	lysosomal membrane protein, moves to cell surface after activation
CD64	FcGAMMARI	72kD	IgSF	mono, mac, DC, Interferon or G-CSF activated gran	high affinity receptor for IgG, phagocytosis and ADCC
CD65				gran, mono subset, myeloid leukemias	
CD65s	VIM2			gran, mono, myeloid leukemias	phagocytosis
CD66a	BGP-1, NCA-160	160-180kD	IgSF, CEA family	neutrophils, epith	cell adhesion
CD66b	CD67, CGM6	95-100kD	IgSF, CEA family	gran	cell adhesion, neutrophil activation
CD66c	NCA	90kD	IgSF, CEA family	neutrophils, colon carcinoma	cell adhesion
CD66d	CGM1	35kD	IgSF, CEA family	neutrophils	
CD66e	CEA	180-200kD	IgSF, CEA family	colon epith, colon cancer	cell adhesion
CD66f	PSG, Sp-1	54-72kD	IgSF, CEA family	pregnancy specific glycoprotein, placental syncytiotrophoblasts, fetal liver	immune regulation, protects fetus from maternal immune system
CD68	Macrosialin, gp110	110kD	Sialomucin	intracellularly in mono, mac, neutrophils, basophils, large lymph, mast cells, DC, myeloid progenitors, liver	
CD69	AIM	28, 32kD	C-type lectin	Tact, B, NK and gran, thymocytes, platelets, Langerhans cells	signal transduction
CD70	Ki-24	50, 70, 90, 160kD	TNFSF	Bact and Tact	CD27 ligand, T and B cell costimulation
CD71	T9	95kD		proliferating cells, reticulocytes, erythroid precursors	transferrin receptor, iron uptake
CD72	Lyb-2	42kD	C-type lectin	B, FDC	CD5, CD100 receptor, B proliferation
CD73		69kD	GPI-linked	B subset, T subset, FDC, epith	ecto-5'-nucleotidase, nucleoside uptake, T costimulation, lymph adhesion
CD74	li, invariant chain	33, 35, 41, 43kD		B, mac, mono, Langerhans cells, DC, Tact	MHC class II traffic and function
CD75			CHO Sialoglycan family	B subset, epith	lactosamines
CD75s			CHO Sialoglycan family	B subset, T subset	Alpha-2,6-sialylated lactosamines (previously CDw75 and CDw76)
CD77	Gb3, PK blood group			germinal center B, Burkitt's lymphomahigh, follicular lymphomaslow	apoptosis
CD79a	Iga	33, 45kD	IgSF	B	component of BCR, BCR surface expression and signal transduction
CD79b	Igb	37kD	IgSF	B	component of BCR, BCR surface expression and signal transduction
CD80	B7, B7-1, BB1	60kD	IgSF	Bact and Tact, mac, DC	binds to CD28, CD152, T costimulation
CD81	TAPA-1	26kD	TM4SF	T, B, NK, thymocytes, DC, endoth, fibroblast, neuroblastomas, melanomas	complex w/ CD19 & CD21, signaling, T costimulation
CD82	R2	50-53kD	TM4SF	leukocytes	signal transduction
CD83	HB15	43kD	IgSF	Bact and Tact, DC, Langerhans cells	
CDw84		73kD		mono, platelets, B, T subset, mac subset	
CD85		110kD	IgSF, ILT/LIR family	DC, mono, B, NK, T subset	inhibition of NK, T cell cytolytic function
CD86	B70, B7-2	80kD	IgSF	mono, DC, Bact and Tact	binds to CD28, CD152, T costimulation
CD87	UPA-R	39-66kD	GPI-linked	gran, mono, NK, Tact, endoth, fibroblasts	urokinase plasminogen activator receptor, inflammatory cell invasion, metastasis
CD88	C5aR	40kD	TM7SF	gran, mono, DC	C5a receptor, granulocyte activation
CD89	FcAlphaR	55-75kD	IgSF	mono, mac, gran, neutrophils, B subset, T subset	IgA receptor, phagocytosis, degranulation, respiratory burst
CD90	Thy-1	25-35kD	IgSF, GPI-linked	CD34+ hematopoietic subset,	CD34+ hematopoietic subset, neurons

				neurons	
CD91		600kD	LDLR family	mono, mac, neurons, fibroblasts	receptor for Alpha-2-macroglobulin
CDw92		70kD		neutrophils, mono, platelets, endoth, fibroblasts	
CD93	AA4.1, C1qRp	120kD		neutrophils, mono, endoth	
CD94	KP43	43kD	C-type lectin	NK, T subset	complex w/ NKG2, inhibits NK function
CD95	Apo-1, Fas	45kD	TNFRSF	lymph (high upon activation), mono, neutrophils	FasL (CD178) receptor, apoptosis
CD96	TACTILE	160kD	IgSF	NK, Tact	adhesion of activated T and NK
CD97		74, 80, 90kD	TM7SF	Bact and Tact, mono, gran	
CD98	4F2	80, 40kD		T, B, NK, gran, all human cell lines	cellular activation
CD99	MIC2, E2	32kD		leukocytes	T cell activation, adhesion
CD99R	E2	32kD		T, NK, myeloid cells	isoform of CD99
CD100		150kD		hematopoietic cells except immature bone marrow cells, RBC and platelets	cell adhesion, cellular activation
CD101	V7, p126	120kD	IgSF	mono, gran, DC, Tact	T cell activation
CD102	ICAM-2	55-65kD	IgSF	lymph, mono, platelets, endoth	binds CD11a/CD18, costimulation
CD103	HML-1, Alpha6, integrin AlphaE	150, 25kD	Integrin family	intraepithelial lymph, lymph subset, activated lymph	w/ integrin BETA7, binds E-cadherin, lymph homing/retention
CD104	BETA4 integrin	220kD	Integrin family	epith, Schwann cells, keratinocytes, some tumor cells	w/ integrin Alpha6 (CD49f), cell adhesion, differentiation, metastasis
CD105	Endoglin	95kD	homodimer	endoth, bone marrow subset, activated mac	cellular response to TGF-BETA1
CD106	VCAM-1	110kD	IgSF	activated endoth, FDC	VLA-4(CD49d/CD29) receptor, leukocyte adhesion, migration, costimulation
CD107a	LAMP-1	110kD		activated platelets, T, endoth, metastatic tumors	a lysosomal membrane protein
CD107b	LAMP-2	120kD		activated platelets, T, endoth, metastatic tumors	a lysosomal membrane protein
CD108		80kD		erythrocytes, lymphoblasts, resting lymphlow	
CD109		170kD		Tact and platelets, CD34+ subset, endoth	
CD110	MPL, TPO-R	82-84kD	CRSF	megakaryocytes, platelets, some CD34+ stem cellslow	thrombopoietin receptor, megakaryocyte progenitor cell growth/differentiation
CD111	PRR1, Nectin-1	64-72kD	IgSF	stem cell subset, mac, neutrophils	
CD112	PRR2, Nectin-2	64-72kD	IgSF	mono, neutrophils, CD34+ subset, megakaryocytes, endoth, epith	intercellular adhesion
CDw113	PVRL3, Nectin3	83kD	IgSF	testis, placenta	adhesion molecule that interacts with afadin
CD114	G-CSFR	95, 139kD	CRSF	myeloid progenitors, endoth	myeloid differentiation/proliferation
CD115	M-CSFR, c-fms	150kD	IgSF, RTK family	mono, mac, monocytic progenitors	CSF-1R, monocytic differentiation/proliferation
CD116	GM-CSFRAlpha	70-85kD	CRSF	mono, gran, DC, endoth	w/ common BETA, myeloid differentiation/proliferation
CD117	c-kit, SCFR	145kD	IgSF, RTK family	hematopoietic progenitors, mast cells	hematopoietic progenitors, mast cells
CD118	LIFR, gp190	190kD	Type I CRSF & secreted forms	epithelial cells in adult and embryo	epithelial cells in adult and embryo
CDw119	IFNGAMMAR	90-100kD		mac, mono, B, T, NK, neutrophils, endoth	IFN-GAMMA RAlpha, w/ IFN-GAMMA AF-1, host defense
CD120a	TNFR-I	50-60kD	TNFRSF	hematopoietic, non-hematopoietic cells	receptor for both TNF-Alpha and TNF-BETA
CD120b	TNFR-II	75-85kD	TNFRSF	hematopoietic, non-hematopoietic cells	receptor for both TNF-Alpha and TNF-BETA
CD121a	IL-1R type I	80kD	IgSF	dimly expressed on many cells	binds IL-1Alpha and IL-1BETA, IL-1 signaling
CDw121b	IL-1R, type II	60-70kD	IgSF	B, mac, mono, T subset	binds IL-1Alpha and IL-1BETA, negative signals
CD122	IL-2RBETA	75kD	CRSF	NK, T, B, mono	IL-2RBETA and IL-15RBETA, signal

					transduction
CDw123	IL-3R	70kD	CRSF	lymph subset, basophils, hematopoietic progenitors, mac, DC, megakaryocytes	IL-3RAAlpha, w/ CDw131
CD124	IL-4R	140kD	CRSF	lymphlow, mono, hematopoietic precursors, broblast, epith	IL-4RAAlpha, w/ CD132 or IL-13RAAlpha, T cell growth/differentiation
CDw125	IL-5R	60kD	CRSF	eosinophils, basophils	IL-5RAAlpha, w/ CDw131
CD126	IL-6R	80kD	IgSF, CRSF	Bact and plasma cells, most leukocyteslow, fibroblasts	IL-6RAAlpha, w/ CD130
CD127	IL-7R	65-75kD	CRSF	T, pro-B	IL-7RAAlpha, w/ CD132, B and T cell development
CDw128	see CD181 & CD182				
CD130	IL-6RBETA, gp130	130kD	CRSF	Bact and plasma cells, most leukocyteslow, endoth	IL-6RBETA, IL-6, IL-11, LIF, CNF signals
CDw131	IL-3R common BETA	95-120kD	CRSF	mono, gran, early B	w/ Alpha subunits of IL-3R, IL-5R, and GM-CSFR, signal transduction
CD132	Common GAMMA	64kD	CRSF	T, B, NK, mono, gran	subunit of IL-2R, IL-4R, IL-7R, IL-9R, and IL-15R, signal transduction
CD133	AC133, prominin-like 1	120kD	TM5SF	hematopoietic stem cell subset, epith, endoth	
CD134	OX-40	48-50kD	TNFRSF	Tact	T cell activation, differentiation, apoptosis
CD135	Flt3/FIk2	130-150kD	RTK family	myelomonocytic, primitive B progenitors	tyrosine kinase, binds FLT3 ligand, early lymph development
CDw136	MSP-R, RON	180kD	RTK family	epith, CNS, PNS, hematopoietic subset	migration, morphological change and proliferation of different target cells
CDw137	4-1BB	30kD	TNFRSF	Tact	T costimulation
CD138	Syndecan-1	80-150kD	Syndecan family	Syndecan family	receptor for ECM, cell morphology
CD139		228kD		B, mono, gran, erythrocyteslow	
CD140a	PDGFRAAlpha	180kD	RTK family	fibroblasts, smooth muscle & glial cells, chondrocytes	binds PDGF A and B
CD140b	PDGFRBETA	180kD	RTK family	fibroblasts, smooth muscle & glial cells, chondrocytes	binds PDGF B
CD141	Thrombomodulin	100kD	C-type lectin	mono, neutrophils, endoth, smooth muscle cells	initiation of protein C anticoagulant signal
CD142	Tissue Factor	45kD		mono, endoth, keratinocytes, epith	binds clotting factor VIIa, initiator of clotting
CD143	ACE	170kD		endoth, epith, neurons, fibroblasts, activated mac	angiotensin converting enzyme, angiotensin II & bradykinin metabolism
CD144	VE-Cadherin, Cadherin-5	130kD	Cadherin family	endoth	adhesion, cell-cell interaction
CDw145		110, 90kD		endoth, some stromal cells	
CD146	MUC18, S-endo	113-118kD	IgSF	endoth, melanomas, FDC, Tact	adhesion
CD147	Neurothelin, basoglin		IgSF	leukocytes, erythrocytes, platelets, endoth	adhesion
CD148	HPTP-eta	240-260kD		gran, mono, DC, T (high upon activation)	tyrosine phosphatase R Type III
CD150	SLAM	75-95kD	IgSF	T subset (high upon activation), B, DC, endoth	costimulation, proliferation, Ig production, measles virus receptor
CD151	PETA-3	32kD		endoth, megakaryocytes, platelets, epith	cell adhesion
CD152	CTLA-4	33kD	IgSF	Tact and B	CD80 and CD86 receptor, negative regulation of T cell costimulation
CD153	CD30L	40kD	TNFSF	neutrophils, B, Tact and mac	CD30 ligand, T costimulation
CD154	CD40L, gp39, TRAP	32-39kD	TNFSF	Tact	CD40 ligand, B and DC costimulation
CD155	PVR	80-90kD	IgSF	mono, mac, CD34+ thymocytes	Polio virus receptor (PVR)
CD156a	ADAM8	69kD		neutrophils, mono	leukocyte extravasation
CD156b	TACE/ADAM 17	100kD		broad	cleaves membrane proteins (TNF, TGFAlpha) to generate soluble forms
CDw156c	ADAM10	98kD	Peptidase M12B family	lymphoid organs, peripheral blood leukocyte, cartilage, chondrocytes and fetal liver	proteolytic cleavage of cell-surface molecules including Notch, TNF-Alpha, APP and ephrin-A2
CD157	BST-1	42-45kD		gran, mono, B progenitors, endoth	ADP-ribosyl-cyclic ADP-ribose hydrolase activities, pre-B cell growth inhibition of NK cell cytolytic activity,
CD158a	p58.1	50-58kD	IgSF, KIR family	NK subset, T subset	

CD158b	p58.2	50-58kD	IgSF, KIR family	NK subset, T subset	MHC class-I specific NK receptor inhibition of NK cell cytolytic activity, MHC class-I specific NK receptor
CD159a	NKG2A	43kD		T subset, NK	w/ CD94, NK cell receptor
CD159c	NKG2C	40kD	Type II C-Type Lectin	NK	w/ MHC class I HLA-E molecules, forms heterodimer with CD94
CD160	BY55	27kD	IgSF	NK subset, T subset	costimulation
CD161	NKR-P1A	40kD	C-type lectin	T subset, NK	NK cell-mediated cytotoxicity
CD162	PSGL-1	120kD	Mucin family	mono, gran, most lymph	CD62P, CD62L ligand, adhesion, rolling
CD162R	PEN-5		CHO	NK subset	
CD163	130kD		Scavenger receptor SF	mono, mac	
CD164	MGC-24	80kD	epith, mono, lymphlow, bone marrow stromal cells, CD34+ erythroid progenitors	hematopoietic progenitor cell-stromal cell interaction	
CD165	AD2, gp37	42kD	lymph subset, mono, immature thymocytes, platelets	adhesion, thymocyte-thymic epith interaction	
CD166	ALCAM	105kD	IgSF	neurons, mono, epith, fibroblasts, Tact	CD6 ligand, adhesion
CD167a	DDR1	120kD	RTK family	epith, myoblasts	tyrosine kinase, adhesion to collagen
CD168	RHAMM	84-88kD		mono, T subset, thymocyte subset, intracellularly in breast cancer cells	adhesion, tumor migration, metastasis
CD169	sialoadhesin, Siglec-1	185kD	IgSF, sialoadhesins	tissue mac subset	adhesion, cell-cell and cell-matrix interactions, binds CD227 on breast cancer cells and CD43 on T cells
CD170	Siglec-5, CD33-like2	140kD	IgSF, sialoadhesins	Mac subset, neutrophils	adhesion
CD171	L1	200-210kD	IgSF	CNS, PNS, glial cells, mono, T subset, B, DC, several human tumor cells	kidney morphogenesis, lymph node architecture, T costimulation, neurohistogenesis, homotypic interaction, binds CD9, CD24, CD56, CD142, CD166, integrins
CD172a	SIRPGAMMA	110kD		mono, T subset, stem cells	adhesion, complex w/ CD47
CD172b	SIRPBETA, SIRB1	50kD	IgSF	mono and DC	negative regulation of RTK-coupled signaling
CD172g	SIRPGAMMA, SIRPB2	45-50kD	IgSF, ASV	mRNA: liver and at lower levels in many tissues	binds CD47
CD173	Blood group H type 2		CHO	erythrocytes, stem cell subset, platelets	
CD174	Lewis Y		CHO	stem cells subset, epith	
CD175	Tn		CHO	stem cells subset	
CD175s	Sialyl-Tn		CHO	erythroblasts	
CD176	Thomson Friedreich Ag		CHO	stem cell subset	
CD177	NB1	56-62kD		neutrophil subset	
CD178	FasL, CD95L	38-42kD	TNFSF	Tact, testis	CD95 ligand, apoptosis, immune privilege, soluble form in serum
CD179a	V pre B	16-18kD	IgSF	Pro- and Pre-B	B cell differentiation/signaling, w/ IgM
CD179b	Lambda 5	22kD	IgSF	Pro- and Pre-B	B cell differentiation/signaling, w/ IgM
CD180	RP-105	95-105kD	LRRF, TLR family	B subset, mono, DC	B cell activation, LPS signaling, w/ MD-1
CD181	CXCR1, IL-8RA	39kD	GPCR1 family	neutrophils, basophils, NK, T subset, mono	binding of IL-8 induces chemotaxis of neutrophils
CD182	CXCR2, IL-8RB	40kD	GPCR1 family	neutrophils, basophils, NK, T subset, mono	binding of IL-8 induces chemotaxis of neutrophils
CD183	CXCR3	40kD	TM7SF	eosinophils, Tact and NK, GM-CSF activated CD34+ progenitors	IP-10, Mig and I-TAC receptor, T cell recruitment to inflammatory sites, enhancement of Th1 response
CD184	CXCR4, fusin	45kD	TM7SF	B, DC, T subset, mono, endoth	SDF-1 receptor, X4 HIV-1 coreceptor
CD185	CXCR5, BLR1	45kD	GPCR1 family	mature B and Burkitt Lymphoma cells	w/ chemokine BLC, possible regulatory function in Burkitt Lymphomagenesis

					and/or B differentiation, activation of mature B
CDw186	CXCR6, BONZO	40kD	GPCR1 family	Tact	receptor for CXCL16 and coreceptor for SIV, strains of HIV-2 and m-tropic HIV-1
CD191	CCR1, MIP-1AlphaR, RANTES-R	39kD	GPCR1 family	T, mono, stem cell subset	binds C-C type chemokines and transduces signal by increasing intracellular calcium ion levels
CD192	CCR2, MCP-1-R	40kD	GPCR1 family	activated NK and mononuclear phagocytes, T subset, B, endoth	binds MCP-1, MCP-3 & MCP-4, alternative coreceptor with CD4 for HIV-1 infection
CD193	CCR3, CKR3	45kD	GPCR1 family	eosinophils, lower expression in neutrophils and mono, T subset	binds eotaxin, eotaxin-3, MCP-3, MCP-4, RANTES & MIP-1 $\beta$ , alternative coreceptor w/ CD4 for HIV-1 infection
CD195	CCR5	45kD		mono, T subset	MIP-1Alpha, MIP-1BETA and RANTES receptor, R5 HIV-1 coreceptor
CD196	CCR6, LARC receptor, DRY6	45kD	GPCR1 family	T subset, B, DC subset	binds MIP-3Alpha/LARC
CD197	CCR7	45kD		T subset, DC Subset	6CKine and MIP-2BETA receptor
CDw198	CCR8, GPRC6, TER1	50kD	GPCR1 family	T, high expression in Th2, NK, mono	allergic inflammation, alternative coreceptor with CD4 for HIV-1 infection
CDw199	CCR9, GPR-9-6	43kD	GPCR1 family	subset of memory T, lamina propria mononuclear cells	binds SCYA25/TECK, alternative coreceptor with CD4 for HIV-1 infection
CD200	OX-2	45-50kD		thymocytes, endoth, B, Tact	inhibition of immune response
CD201	EPC-R	50kD		endoth subset	activated protein C receptor
CD202b	Tie2, Tek	150kD	RTK family	stem cells, endoth	angiopoietin-1 receptor
CD203c	NPP3/PDNP3, ENpp1, PD-1b	130-150kD	type II TM	basophils, mast cells, glioma cells, megakaryocytes	ectoenzyme, binding to and clearance of extracellular nucleotides
CD204	Macrophage scavenger-R	220kD		mac	endocytosis of macromolecules
CD205	DEC-205	205kD		DC, thymic epith	DC, thymic epith
CD206	macrophage mannose-R	180kD		DC subset, mac, mono	phagocytosis and pinocytosis of mannose containing molecules
CD207	Langerin	40kD		Langerhans cells	endocytic receptor
CD208	DC-LAMP	70-90kD		DCact, interdigitating DC	
CD209	DC-SIGN	44kD		DC subset	ICAM-3 receptor, HIV-1 binding protein
CDw210	IL-10-R	90-110kD		T, B, NK, mono, mac	IL-10 receptor, signal transduction
CD212	IL-12-R BETA1	100kD		Tact and NK	binds IL-12 w/ high affinity, associates w/ IL-12 receptor BETA2
CD213a1	IL-13-R Alpha1	65kD		B, mono, fibroblasts, endoth	binds IL-13 w/ low affinity, w/ CD124
CD213a2	IL-13-R Alpha2	65kD		B, mono	binds IL-13 w/ high affinity
CDw217	IL-17-R	120kD		broad	IL-17 receptor
CDw218a	IL-18RAAlpha, IL-1Rrp	70kD	IL-1R family	T, NK, DCs	binds IL-18, activation of NF- $\kappa$ B
CDw218b	IL-18RBETA, IL18RAP	70kD	IL-1R family	T, NK and DCs	heterodimeric receptor with IL-18RAAlpha to enhance IL-18 binding
CD220	Insulin-R	140, 70kD		broad	insulin receptor
CD221	IGF-1 R	140, 70kD		broad	binds IGF w/ high affinity, signaling, cell proliferation/ differentiation
CD222	IGF-II R, mannose-6 phosphate-R	250kD	Type I TM	broad, 90-95% intracellular	adhesion, tumor growth, a receptor for TGF $\beta$ -LAP, plasminogen, proliferin, truncated form (220kD) found in serum
CD223	LAG-3	70kD	IgSF	Tact and NK	an MHC class II ligand
CD224	GGT	27, 68kD		leukocytes, stem cells	
CD225	Leu-13	17kD		broad	
CD226	DNAM-1, PTA-1, TLISA1	65kD	IgSF	T, NK, mono, platelets, activated HUVEC	activation of cell-mediated cytotoxicity, soluble form (50kD) found in normal serum
CD227	MUC1, EMA	300kD	Mucin family, type I TM	epith, stem cell subset, FDC, mono, B subset, some myelomas	adhesion, signaling, binds CD169, CD54, & selectins
CD228	Melanotransferrin	80-95kD		stem cells, melanomas	
CD229	Ly-9	95, 110kD	IgSF	T, B	adhesion

CD230	Prion protein	35kD	broad		
CD231	TALLA-1, A15	30-45kD	TM4SF	T leukemias, neuroblastomas, brain neurons	marker for T cell acute lymphoblastic leukemia
CD232	VESP-R	200kD		broad	
CD233	Band 3, SLC4A1	90kD	Anion exchanger family	erythrocytes	anion exchanger pump, transport of CO <sub>2</sub> , linking red cell membrane to cytoskeleton
CD234	Duffy, DARC	35-45kD		erythrocytes	Duffy antigen chemokine receptor
CD235a	Glycophorin A	36kD		erythrocytes	
CD235ab	Glycophorin A/B	20kD		erythrocytes	
CD235b	Glycophorin B	20kD		erythrocytes	
CD236	Glycophorin C/D	32, 23kD		erythrocytes, stem cell subset	
CD236R	Glycophorin C	32kD		erythrocytes, stem cell subset	
CD238	Kell	93kD		erythrocytes, stem cell subset	
CD239	B-CAM	78-85kD		erythrocytes, stem cell subset	
CD240CE	Rh30CE	30-32kD		erythrocytes	
CD240D	Rh30D	30-32kD	TM12SF	erythrocytes	
CD241	RhAg, Rh50	50kD	TM12SF	erythrocytes	complex w/ CD47, LW, glycophorin B
CD242	ICAM-4	42kD	IgSF	erythrocytes	adhesion, Landsteiner-Wiener blood group
CD243	MDR-1, p170, P-gp	180kD		stem cells, small intestine, kidney	ion pump
CD244	2B4	70kD	type II TM	T subset, mono, basophils, NK	NK activation, CD48 ligand
CD245	p220/240	220-240kD		T subset	
CD246	ALK, Ki-1	80kD		anaplastic T cell leukemias, small intestine, testis, brain, not on normal lymph	brain development, implicated in ALK lymphomas
CD247	TCRz	16kD	RTK family	T, NK	TCR complex subunit, coupling of antigen recognition to signaling
CD248	TEM1, Endosialin	175kD	C-Type Lectin	endothelial tissue, stromal fibroblasts	tumor progression and angiogenesis
CD249	Aminopeptidase A	160kD	Peptidase M1 family	epith, endoth	renin-angiotensin system
CD252	OX-40Ligand, gp34	34kD	TNFSF	Bact, cardiac myocytes	T costimulation
CD253	TRAIL, Apo-2L, TL2, TNFSF10		TNFSF	Tact, many tissues	death
CD254	TRANCE, RANKL, OPGL	35kD	TNFSF	lymph node & BM stroma Tact	binds OPG and RANK, osteoclast differentiation, enhances DC to stimulate naive-T proliferation
CD256	APRIL, TALL-2	16kD	TNFSF	mono, mac	binds TACI & BCMA, B proliferation
CD257	BLyS, BAFF, TALL-1		TNFSF	monoact, soluble form	B cell growth factor & costimulator of Ig production
CD258	LIGHT, HVEM-L	28kD	TNFSF	Tact, immature DC	binds LTBR, T proliferation, receptor for HVEM
CD261	TRAIL-R1, DR4	57kD	TNFRSF	Tact, peripheral blood leukocytes	contains death domain, apoptosis via FADD & caspase-8
CD262	TRAIL-R2, DR5	60kD	TNFRSF	widely expressed, peripheral blood lymphocytes	contains death domain, apoptosis via FADD and caspase-8
CD263	TRAIL-R3, DcR1, LIT	65kD	TNFRSF	peripheral blood lymphocytes	receptor for TRAIL but lacks death domain
CD264	TRAIL-R4, TRUNDD, DcR2	35kD	TNFRSF	peripheral blood leukocytes	binds TRAIL but contains truncated death domain
CD265	RANK, TRANCE-R, ODFR	97kD	TNFRSF	broad expression	binds TRANCE, osteoclastogenesis, T-DC interactions
CD266	TWEAK-R, FGF-	14kD	TNFRSF	heart, placenta and kidney,	TWEAK receptor, cell-matrix

	inducible 14			HUVEC	interactions and endoth growth and migration
CD267	TACI, TNFR SF13B			B, Tact	binds BAFF & APRIL
CD268	BAFFR, TR13C	25kD	TNFRSF	B	binds BlyS, mature B survival
CD269	BCMA, TNFRSF13B	20kD	TNFRSF	mature B (membrane and perinuclear)	APRIL & BAFF receptor, B survival & proliferation
CD271	NGFR, p75 (NTR)	45kD	TNFRSF	neurons (schwann cells, growing neurites), BM mesencymal cells	NGF, BDNF, NT-3, & NT-4 receptor, tumor suppressor, cell survival and death
CD272	BTLA	33kD	IgSF	Tact, B , remains on Th1	HVEM receptor, inhibitory response
CD273	B7DC, PD-L2, PDCD1L2	25kD	IgSF	DC subset, mono, mac	PD-1 receptor, costimulation or suppression of T proliferation
CD274	B7-H1, PD-L1	33kD	IgSF	leukocytes, broad	PD-1 receptor, costimulation of lymphocytes
CD275	B7-H2, ICOSL, B7-RP1, GL50	60kD	B7 Family	B, DC, mono	costimulation, cytokine production
CD276	B7-H3	40-45kD	B7 Family, ASV	in vitro cultured DC and mono, Tact, mammary tissue	costimulation, T activation
CD277	BT3.1, butyrophilin SF3 A1, BTF5	56kD	B7/BT family, ASV	T, B, NK, mono, DC, endoth, CD34+ cells, tumor cell lines	T activation
CD278	ICOS, AILIM	55-60kD	CD28 family	Tact, Th2	binds ICOS-L, T costimulation
CD279	PD1, SLEB2	55kD		Tact and Bact	B7-H1 & B7-DC receptor, autoimmune disease and peripheral tolerance
CD280	ENDO180, UPARAP	180kD	C-type lectin SF	chondrocytes, fibroblasts, endothelial, mac	mannose receptor, collagen matrix remodeling and endocytic recycling
CD281	TLR1	90kD	TLR family	low levels in PBMC, mono and possibly DC	innate immunity, w/ TLR2
CD282	TLR2	90kD	TLR family	mono, neutrophil, upregulated in mac	binds dsRNA, response to bacterial lipoproteins, innate immunity
CD283	TLR3	100kD	TLR family, ASV	derived moDC (may be intracellular)	binds dsRNA, innate immunity
CD284	TLR4	100kD	TLR family, ASV	PBMC (weak in mono, immature DC & neutro)	binds LPS, innate immunity
CD289	TLR9	120kD	TLR family	pDC (intracellular)	binds CpG-DNA, innate immunity
CD292	BMPR1A, ALK3	57kD	Type I	bone progenitor	BMP 2 & 4 receptor, bone development
CDw293	BMPR1B, ALK6	57kD	Type I, ASV	bone progenitor	BMP receptor, bone development
CD294	CRTH2, GPR44	55-70kD	GPCR-7TM	Th2, eosinophils, basophils	binds prostaglandin D2, stimulatory effects on Th2, allergic inflammation
CD295	LeptinR, LEPR	132kD	Type I cytokine-like receptor	broad	adipose metabolism, immune dysfunction in obesity
CD296	ART1, RT6, ART2	37kD	ADP-ribosyltransferase	heart and skeletal muscle, peripheral T, NK subset	modifies integrins during differentiation, ADP ribosylation of target proteins
CD297	ART4, dombrock blood group	38kD	ADP-ribosyltransferase	erythroid, monoact	ADP ribosylation of target proteins
CD298	Na+/K+-ATPase BETA3 subunit	52kD		broad	transport sodium & potassium ions across membrane
CD299	DC-SIGN-related, LSIGN, DC-SIGN2	45kD	Type II, similar to CD209, ASV	endothelial subset	binds ICAM3, HIV-1 gp120, coreceptor w/ DC-SIGN, HIV infection
CD300a	CMRF35H, IRC1, IRp60	60kD	IgSF, ASV	NK, mono, neutrophils, T and B subset and lymphocytic cell lines, AML	unknown
CD300c	CMRF35A, LIR		IgSF	mono, neutrophils, monocytic cell lines, B & T subsets	unknown
CD300e	CMRF35L		IgSF CMRF family		unknown
CD301	MGL, HML	38kD	C type lectin SF,	immature DC	binds Tn antigen, uptake of

			ASV		glycosylated antigens
CD302	DCL1, BIMLEC	19-28kD	Type I TM C-type lectin receptor	some myeloid and Hodgkin's cell lines	a fusion protein in Hodgkin's lymphoma w/ DEC-205
CD303	BDCA2, HECL	38kD	C-type lectin SF ASV	plasmacytoid dendritic cells	inhibit IFN-Alpha production
CD304	BDCA4, neuropilin 1	130kD	semaphorin family	neurons, CD4+/CD25+ Treg, DC, endothelial and tumor cells	interacts w/ VEGF165 & semaphorins, co-receptor with plexin, axonal guidance, angiogenesis, cell survival, migration
CD305	LAIR1	32-40kD	IgSF, ASV	NK, B, T, mono	inhibitory receptor on NK and T cells
CD306	LAIR2		IgSF, ASV	unknown	soluble, mucosal tolerance
CD307	IRTA2	55-105kD	IgSF (Fc receptor), ASV	B subset, B lymphoma	B cell development, translocation in some lymphomas
CD309	VEGFR2, KDR	230kD	Type III TM tyr kinase	endothelial, angiogenic precursor cells, hemangioblast	binds VEGF, regulates adhesion and cell signaling
CD312	EMR2	90kD	EGFR-7TM ASV	mono, mac, moDC, granslow	cell adhesion and migration for phagocytosis
CD314	NKG2D, KLR	42kD	Type II lectin-like receptor	NK, CD8+ activated, NK1.1+ T, some myeloid cells	binds MHC class I, MICA, MICB, Rae1 & ULBP4, activates cytotoxicity and cytokine production, costimulation
CD315	CD9P1, SMAP6, FPRP, PTGFRN	135kD	IgSF	B subset, monoact	w/ CD81 and CD9
CD316	EWI2, PGRL, CD81P3, KASP	63-75kD	IgSF8	B, T cells, low on NK cells	w/ CD81 & CD9; involved in cell migration
CD317	BST2, HM1.24	30-36kD	Type II	B, T, NK, mono, DC, fibroblast cell line, myeloma	pre-B cell growth, overexpressed in multiple myeloma
CD318	CDCP1, SIMA135	135kD	Type I, ASV	HSC (subset of CD34+), tumors	cell adhesion with ECM
CD319	CRACC, SLAMF7	66kD	Ig TM	T, B and DC subset, NK, upregulated in DC	regulate T and NK cells
CD320	8D6A, 8D6	30kD	LDL receptor	follicular DC, germinal centers	B proliferation, tumor formation
CD321	JAM1, F11 receptor	35kD	IgSF, Type I, ASV	platelet receptor, epithelia and endothelial, platelets	tight junctions
CD322	JAM2, VE-JAM	43kD	IgSF	HEV, other endoth	cell adhesion, lymphocyte homing to secondary lymphoid organs
CD324	E-Cadherin, Uvomorulin	120kD	cadherin SF	non-neural epith	cell adhesion, homotypic interaction & binds AlphaE/BETA7
CD325	N-Cadherin, NCAD	140kD	cadherin SF	brain, skeletal and cardiac muscle	cell adhesion, neuronal recognition
CD326	Ep-CAM, Ly74	35-40kD		most epith cell membranes	growth factor receptor?
CD327	SIGLEC6		IgSF	placenta, spleen, B . sialic-acid dependent	adhesion, membrane- bound & secreted forms
CD328	SIGLEC7, AIRM-1	75kD	IgSF	resting and activated NK, placenta, liver, spleen, lower in gran & mono	sialic-acid dependent adhesion, inhibit NK activation, hemopoiesis
CD329	SIGLEC9		IgSF	neutrophils and mono	sialic-acid dependent adhesion molecule
CD331	FGFR1, Fms-like tyrosine kinase-2, KAL2, N-SAM	30kD	TM tyr kinase	fibroblasts, epithelial	binds FGF, high affinity receptor for fibroblast growth factors
CD332	FGFR2, BEK, KGFR	115-135kD	TM tyr kinase	fibroblasts, epithelial	binds FGF, high affinity receptor for fibroblast growth factors
CD333	FGFR3, ACH, CEK2	115kD	TM tyr kinase	fibroblasts, epithelial	binds FGF, high affinity receptor for fibroblast growth factors
CD334	FGFR4, JTK2, TKF	110kD	TM tyr kinase	fibroblasts, epithelial	binds FGF, high affinity receptor for fibroblast growth factors
CD335	NKp46, Ly-94 homolog	46kD	IgSF	NK	activates NK cells upon non-MHC ligand binding
CD336	NKp44, Ly-95 homolog	44kD	IgSF	NK	activates NK cells upon non-MHC ligand binding
CD337	NKp30, Ly117	30kD	IgSF	NK	activates NK cells upon non-MHC ligand binding
CDw338	ABCG2, BCRP, Bcrp1, MXR	73kD	GPCR 7TM	stem cell subset (side population)	multi-drug resistance transporter
CD339	Jagged-1, JAG1, JAGL1, hJ1	135kD	EGF TM	stromal cells, epithelial, AML	binds Notch, hematopoiesis
CD340	Her-2, Neu, erb-	185kD	EGFR	Wide expression, overexpressed	Regulates cell growth and

	B2			in many tumors	differentiation
CD344	Frizzled-4, FZD4, EVR1, FEVR	48-53kD	Frizzled	Epithelial, endothelial, mesenchymal, myeloid precursors	Embryonic development, retinal angiogenesis. Interacts with Wnt proteins
CD349	Frizzled-9, FZD9, FZD3, FZ9	64kD	Frizzled	Mesenchymal stem cells, other developing structures.	Embryonic development. Interacts with Wnt proteins
CD350	Frizzled-10, FZD10, FZ10	65kD	Frizzled	Brain, kidney, liver, pancreas, placenta,	Embryonic development (limb, neurons). Interacts with Wnt proteins

Adapted from eBioscience