

CD Antigen	Other Names	Molecular Weight (kD)	Cellular Expression	Ligand/Receptor	Functions	Interactions
CD1	CD1a, CD1b, CD1c	30-35	CD4+ T cells, thymocytes, dendritic cells	CD1a: CD4, CD8, CD28, CD29, CD30, CD31, CD32, CD33, CD34, CD35, CD36, CD37, CD38, CD39, CD40, CD41, CD42, CD43, CD44, CD45, CD46, CD47, CD48, CD49, CD50, CD51, CD52, CD53, CD54, CD55, CD56, CD57, CD58, CD59, CD60, CD61, CD62, CD63, CD64, CD65, CD66, CD67, CD68, CD69, CD70, CD71, CD72, CD73, CD74, CD75, CD76, CD77, CD78, CD79, CD80, CD81, CD82, CD83, CD84, CD85, CD86, CD87, CD88, CD89, CD90, CD91, CD92, CD93, CD94, CD95, CD96, CD97, CD98, CD99, CD100, CD101, CD102, CD103, CD104, CD105, CD106, CD107, CD108, CD109, CD110, CD111, CD112, CD113, CD114, CD115, CD116, CD117, CD118, CD119, CD120, CD121, CD122, CD123, CD124, CD125, CD126, CD127, CD128, CD129, CD130, CD131, CD132, CD133, CD134, CD135, CD136, CD137, CD138, CD139, CD140, CD141, CD142, CD143, CD144, CD145, CD146, CD147, CD148, CD149, CD150, CD151, CD152, CD153, CD154, CD155, CD156, CD157, CD158, CD159, CD160, CD161, CD162, CD163, CD164, CD165, CD166, CD167, CD168, CD169, CD170, CD171, CD172, CD173, CD174, CD175, CD176, CD177, CD178, CD179, CD180, CD181, CD182, CD183, CD184, CD185, CD186, CD187, CD188, CD189, CD190, CD191, CD192, CD193, CD194, CD195, CD196, CD197, CD198, CD199, CD200, CD201, CD202, CD203, CD204, CD205, CD206, CD207, CD208, CD209, CD210, CD211, CD212, CD213, CD214, CD215, CD216, CD217, CD218, CD219, CD220, CD221, CD222, CD223, CD224, CD225, CD226, CD227, CD228, CD229, CD230, CD231, CD232, CD233, CD234, CD235, CD236, CD237, CD238, CD239, CD240, CD241, CD242, CD243, CD244, CD245, CD246, CD247, CD248, CD249, CD250, CD251, CD252, CD253, CD254, CD255, CD256, CD257, CD258, CD259, CD260, CD261, CD262, CD263, CD264, CD265, CD266, CD267, CD268, CD269, CD270, CD271, CD272, CD273, CD274, CD275, CD276, CD277, CD278, CD279, CD280, CD281, CD282, CD283, CD284, CD285, CD286, CD287, CD288, CD289, CD290, CD291, CD292, CD293, CD294, CD295, CD296, CD297, CD298, CD299, CD300, CD301, CD302, CD303, CD304, CD305, CD306, CD307, CD308, CD309, CD310, CD311, 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act: activated
actv: active
ADCC: antibody-dependent cell-mediated cytotoxicity
adn: adhesion
Ag: antigen
ALL: acute lymphoid leukemia
B: B lymphocytes
(β2m): beta-2-microglobulin
bas: basophil
BCR: B cell receptor
BMI: bone marrow
CD: Cluster of Differentiation

CNS: central nervous system
C: complement
CC: costimulation
DC: dendritic cells
dev: development
diff: differentiation
ECM: extracellular matrix
end: endothelial cells
esno: eosinophil
HL: hematopoietic lymphoid cells
inh: inhibition
Langerhans: Langerhans cells
mac: macrophages
HLI: hematopoietic lymphoid cells
me: megakaryocytes
mod: monocytes
neut: neutrophil
NK: natural killer cells
PDC: plasmacytoid dendritic cells
pl: platelets

LDL: low density lipoprotein
lip: lipoprotein
lymph: lymphocytes
mac: macrophages
me: megakaryocytes
mon: monocytes
neut: neutrophil
NK: natural killer cells
PDC: plasmacytoid dendritic cells
pl: platelets

prol: proliferation
R: receptor
stem: stem cells
sub: subsets
suppr: suppressor
T: T lymphocytes
TCR: T cell receptor
th: thymocytes
thc: thymocyte

TNFRSF: TNF receptor superfamily
TNFSF: TNF superfamily
trans: transduction
Treg: T regulatory cells
upreg: upregulated
vWF: von Willebrand factor
w: associated with



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Mouse CD Molecules



CD #	CD Antigen	Other Names	Molecular Weight (kDa)	Cellular Expression	Ligand/Receptor/Association	Functions
CD16	CD16	ICAM-1	88	Macrophages, monocytes, neutrophils, eosinophils, dendritic cells	CD11b, ICAM-2, ICAM-3	cell-cell adhesion, antigen presentation
CD17	CD17	ICAM-2	88	Macrophages, monocytes, neutrophils, eosinophils, dendritic cells	CD11b, ICAM-1, ICAM-3	cell-cell adhesion, antigen presentation
CD18	CD18	ICAM-3	88	Macrophages, monocytes, neutrophils, eosinophils, dendritic cells	CD11b, ICAM-1, ICAM-2	cell-cell adhesion, antigen presentation
CD19	CD19	CD19	22	B lymphocytes	CD22, CD81, CD82	B cell development, antigen presentation
CD20	CD20	CD20	24	B lymphocytes	CD22, CD81, CD82	B cell development, antigen presentation
CD21	CD21	CD21	26	B lymphocytes	CD22, CD81, CD82	B cell development, antigen presentation
CD22	CD22	CD22	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD23	CD23	CD23	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD24	CD24	CD24	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD25	CD25	CD25	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD26	CD26	CD26	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD27	CD27	CD27	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD28	CD28	CD28	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD29	CD29	CD29	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD30	CD30	CD30	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD31	CD31	CD31	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD32	CD32	CD32	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD33	CD33	CD33	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD34	CD34	CD34	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD35	CD35	CD35	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD36	CD36	CD36	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD37	CD37	CD37	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD38	CD38	CD38	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD39	CD39	CD39	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD40	CD40	CD40	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation
CD41	CD41	CD41	26	B lymphocytes	CD19, CD81, CD82	B cell development, antigen presentation

Abbreviations

act: activated
ADCC: antibody-dependent cell-mediated cytotoxicity
ad: adhesion
Ag: Antigen
ALL: acute lymphoid leukemia
B: B lymphocytes
(β2m): beta-2-microglobulin
baso: basophils
BCR: B cell receptor
BM: bone marrow
CD: Cluster of Differentiation

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baso: basophils
BCR: B cell receptor
BM: bone marrow
CD: Cluster of Differentiation

gran: granulocytes
hemo: hematopoietic
hepato: hepatocytes
HSC: hematopoietic stem cells
IEL: intraepithelial lymphocytes
inhib: inhibition
Langerhans: Langerhans cells
endo: endothelial cells
cosmo: eosinophils
epi: epithelial cells
erythro: erythrocytes
FDC: follicular dendritic cells
fibro: fibroblasts

LDL: low density lipoprotein
leuko: leukocytes
lympho: lymphocytes
mac: macrophages
MHC: major histocompatibility complex
mon: monocytes
neuro: neurotrophins
NS: neurosphere forming cells
PDC: plasmacytoid dendritic cells
pt: platelets

prol: proliferation
R: receptor
stem: stem cells
sub: subset
T: T lymphocytes
TCR: T cell receptor
th-y: thymocytes

TNFRSF: TNF receptor superfamily
TNF: TNF superfamily
Treg: T regulatory cells
upreg: upregulated
vWf: von Willebrand factor
w/: associated with

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