

Rabbit anti-Human CLM-1 Polyclonal Antibody | anti-CLM-1 antibody

CLM-1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325433	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

CLM-1; Polyclonal Antibody; CLM-1 Antibody; CD300 antigen like family member; CD300 antigen-like family member F; CD300 molecule like family member f; CD300f; CD300LF; CLM; CLM1; CLM1_HUMAN; CMRF35-like molecule 1; IGSF; IgSF13; Immune receptor expressed on myeloid cells 1; immune receptor expressed on myeloid cells; immunoglobulin superfamily member; Immunoglobulin superfamily member 13; Immunoglobulin superfamily member; Inhibitory receptor IREM1; IREM; IREM-1; IREM1; Nepmucin; NK inhibitory receptor; NKIR; TREM; triggering receptors expressed on myeloid cells; UNQ3105/PRO10111; anti-CLM-1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	CLM-1 antibody detects endogenous levels of total CLM-1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	194
Applicable Applications for anti-CLM-1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane
Tissue Specificity	Highly expressed in spleen, peripheral blood leukocyte and monocyte, and lung. Weakly expressed in thymus, heart, brain, placenta, liver, skeletal muscle, kidney, pancreas, prostate, testis, ovary, small intestine or colon. Expressed selectively in monocytes and monocyte-related cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)

AAA325433 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using CLM-1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CLM-1 antibody	Function: Acts as an inhibitory receptor for myeloid cells and mast cells (PubMed:15549731). Positively regulates the phagocytosis of apoptotic cells (efferocytosis) via phosphatidylserine (PS) recognition; recognizes and binds PS as a ligand which is expressed on the surface of apoptotic cells. Plays an important role in the maintenance of immune homeostasis, by promoting macrophage-mediated efferocytosis and by inhibiting dendritic cell-mediated efferocytosis (By similarity). Negatively regulates Fc epsilon receptor-dependent mast cell activation and allergic responses via binding to ceramide and sphingomyelin which act as ligands (PubMed:24035150). May act as a coreceptor for interleukin 4 (IL-4). Associates with and regulates IL-4 receptor alpha-mediated responses by augmenting IL-4-and IL-13-induced signaling (By similarity). Negatively regulates the Toll-like receptor (TLR) signaling mediated by MYD88 and TRIF through activation of PTPN6/SHP-1 and PTPN11/SHP-2 (PubMed:22043923). Inhibits osteoclast formation. Induces macrophage cell death upon engagement (By similarity). Subunit Structure: Interacts with PTPN6/SHP-1 in a tyrosine phosphorylation dependent manner (PubMed:15184070, PubMed:15549731). Interacts with IL4R (By similarity). Post-translational Modifications: Phosphorylated on tyrosine. Similarity: Belongs to the CD300 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	574277434
NCBI GeneID	146722
NCBI Accession #	NP_001276011.1
NCBI GenBank Nucleotide #	NM_001289082.1
UniProt Accession #	Q8TDQ1; Q3Y6P0; Q6UX24; Q7Z6A6; Q7Z7I4; Q7Z7I5; Q8N6D0; Q8NAF5; B2RCL2; C9JDN3
Molecular Weight	Observed: 30 kD Predicted: 33 kDa
NCBI Official Full Name	CMRF35-like molecule 1 isoform 2
NCBI Official Synonym Full Names	CD300 molecule like family member f
NCBI Official Symbol	CD300LF
NCBI Official Synonym Symbols	CLM1; NKIR; CLM-1; IREM1; LMIR3; CD300f; IREM-1; IgSF13
NCBI Protein Information	CMRF35-like molecule 1
UniProt Protein Name	CMRF35-like molecule 1
UniProt Gene Name	CD300LF
UniProt Synonym Gene Names	CD300F; CLM1; IGSF13; IREM1; NKIR; CLM-1; IREM-1; IgSF13

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

