

anti-Human CD300e Antibody | anti-CD300e antibody

Anti-Hu CD300e FITC

CATALOG # AAA129270	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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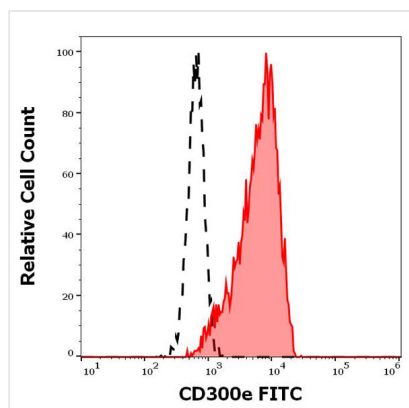
PRODUCT SYNONYMS

CD300e; Anti-Hu CD300e FITC; CD300e molecule; CLM2; CMRF35-A5; LMIR6; IREM-2; PlgR2; anti-CD300e antibody

PRODUCT SPECIFICATIONS

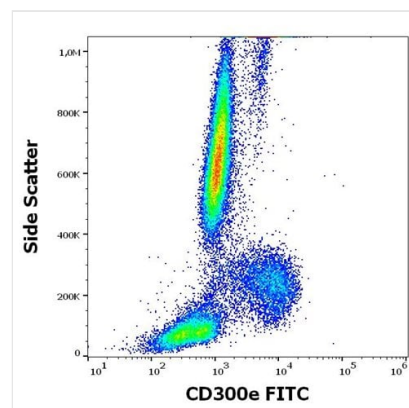
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	UP-H2
Specificity	The mouse monoclonal antibody UP-H2 recognizes an extracellular epitope on CD300e/IREM-2, a 32 kDa glycoprotein expressed by mature monocytes and peripheral blood myeloid dendritic cells.
Form/Format	FITC Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 1
Applicable Applications for anti-CD300e antibody	FCM/FACS (Flow Cytometry)
Immunogen	CD300e-HA-transfected cells
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Separation of human monocytes (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD300e (UP-H2) FITC antibody (4 μ l reagent / 100 μ l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD300e (UP-H2) FITC antibody (4 μ l reagent / 100 μ l of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD300e antibody	CD300e/IREM-2 (immune receptor expressed by myeloid cells 2), also known as CLM2 or LMIR6, is a monomeric transmembrane glycoprotein with a single extracellular immunoglobulin-like domain. Intracellularly it associates with DAP-12, an ITAM-containing adaptor molecule. CD300e is expressed on mature monocytes and peripheral blood myeloid dendritic cells. Its crosslinking leads to release of pro-inflammatory cytokines, and increased expression of activation markers.
References	*Aguilar H, Alvarez-Errico D, García-Montero AC, Orfao A, Sayós J, López-Botet M: Molecular characterization of a novel immune receptor restricted to the monocytic lineage. J Immunol. 2004 Dec 1;173(11):6703-11., URL: http://www.ncbi.nlm.nih.gov/pubmed/?term=aguilar+h+orfao+a,*Brckalo T, Calzetti F, Pérez-Cabezas B, Borràs FE, Cassatella MA, López-Botet M: Functional analysis of the CD300e receptor in human monocytes and myeloid dendritic cells. Eur J Immunol. 2010 Mar;40(3):722-32., URL: http://www.ncbi.nlm.nih.gov/pubmed/?term=brckalo+t+calzetti, *Clark GJ, Ju X, Tate C, Hart DN: The CD300 family of molecules are evolutionarily significant regulators of leukocyte functions. Trends Immunol. 2009 May;30(5):209-17., URL: http://www.ncbi.nlm.nih.gov/pubmed/19359216,

NCBI AND UNIPROT INFORMATION

NCBI GI #	304571943
NCBI GeneID	342510
NCBI Accession #	NP_852114.2
NCBI GenBank Nucleotide #	NM_181449.2
UniProt Accession #	Q496F6; Q7Z7I3; B4DNS1
Molecular Weight	22,918 Da
NCBI Official Full Name	CMRF35-like molecule 2
NCBI Official Synonym Full Names	CD300e molecule
NCBI Official Symbol	CD300E
NCBI Official Synonym Symbols	CLM2; CLM-2; IREM2; PlgR2; IREM-2; PlgR-2; CD300LE; CMRF35-A5
NCBI Protein Information	CMRF35-like molecule 2
UniProt Protein Name	CMRF35-like molecule 2
UniProt Gene Name	CD300E
UniProt Synonym Gene Names	CD300LE; CLM2; CMRF35A5; IREM2; CLM-2; IREM-2; PlgR-2; PlgR2; Poly-Ig receptor 2
UniProt Entry Name	CLM2_HUMAN

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.