

CD300C Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CD300C.

Catalog # AT1433a

Product Information

Application	E
Primary Accession	Q08708
Other Accession	NM_006678
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2A10
Calculated MW	24830

Additional Information

Gene ID	10871
Other Names	CMRF35-like molecule 6, CLM-6, CD300 antigen-like family member C, CMRF35-A1, CMRF-35, Immunoglobulin superfamily member 16, IgSF16, CD300c, CD300C, CMRF35, CMRF35A, CMRF35A1, IGSF16
Target/Specificity	CD300C (NP_006669, 21 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	CD300C Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

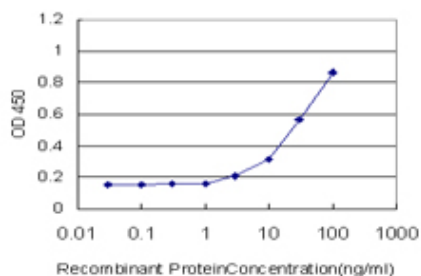
The CMRF35 antigen, which was identified by reactivity with a monoclonal antibody, is present on monocytes, neutrophils, and some T and B lymphocytes (Jackson et al., 1992 [PubMed 1349532]).

References

The CD300 molecules regulate monocyte and dendritic cell functions. Clark GJ, et al. Immunobiology, 2009. PMID 19592130. The CD300 family of molecules are evolutionarily significant regulators of leukocyte functions. Clark GJ, et al. Trends Immunol, 2009 May. PMID 19359216. CD300a/c regulate type I interferon

and TNF-alpha secretion by human plasmacytoid dendritic cells stimulated with TLR7 and TLR9 ligands. Ju X, et al. Blood, 2008 Aug 15. PMID 18535206. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.

Images



Detection limit for recombinant GST tagged CD300C is approximately 3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.