CD300LG Blocking Peptide – The purity is >90%,tested by HPLC and MS. Purity

PRODUCT OVERVIEW

Product Name	CD300LG, Blocking Peptide
Full Product Name	CD300LG Blocking Peptide
Product Gene Name	CD300LG blocking peptide
Product Synonym Names	CD300 antigen-like family member G; CD300 molecule like family member g; CD300g; Cd300lg; CLM-9; CLM9; CLM9_HUMAN; CMRF35-like molecule 9; Nepmucin; TREM-4; TREM4; Triggering receptor expressed on myeloid cells 4
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 10 mg/ml.
Purity/Purification	The purity is >90%,tested by HPLC and MS.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	CD300LG peptide (MBS9624985) is used for blocking the activity of CD300LG antibody (MBS9606268)
Molecular Weight	36,060 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (41924516..41940997). Location: 17q21.31
OMIM	610520
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Notes	For phospho antibody, we provide phospho peptide (0.5mg) and non-phospho peptide (0.5mg)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for CD300LG blocking peptide	Blocking/Control
Related Product Information for CD300LG blocking peptide	Blocking peptides are peptides that bind specifically to the target antibody and block antibody binding. These peptide usually contains the epitope recognized by the antibody. Antibodies bound to the blocking peptide no longer bind to the epitope on the target protein. This mechanism is useful when non-specific binding is an issue, for example, in Western blotting (immunoblot) and immunohistochemistry (IHC). By comparing the staining from the blocked antibody versus the antibody alone, one can see which staining is specific; Specific binding will be absent from the western blot or immunostaining performed with the neutralized antibody.
Other Notes	Small volumes of CD300LG blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CD300LG purchase	MBS9624985 is a blocking peptide targeting CD300LG.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD300LG. It may not necessarily be applicable to this product.

NCBI GI #	270132789
NCBI GeneID	146894
NCBI Accession #	NP_001161794.1

UniProt Primary Accession #	Q6UXG3
UniProt Secondary Accession #	Q8IX38; Q8IX39; Q8TA95; B4DNY5; F5H7P9; F8W9M3
UniProt Related Accession #	Q6UXG3
GenBank Nucleotide #	NM_001168322.1
NCBI Official Full Name	CMRF35-like molecule 9 isoform 4
NCBI Official Synonym Full Names	CD300 molecule-like family member g
NCBI Official Symbol	CD300LG
NCBI Official Synonym Symbols	CLM9; CLM-9; TREM4; TREM-4; NEPMUCIN
UniProt Protein Name	CMRF35-like molecule 9
UniProt Synonym Protein Names	CD300 antigen-like family member G; Triggering receptor expressed on myeloid cells 4
Protein Family	CMRF35-like molecule
UniProt Gene Name	CD300LG
UniProt Synonym Gene Names	CLM9; TREM4; CLM-9; TREM-4
UniProt Entry Name	CLM9_HUMAN
NCBI Protein Information	CMRF35-like molecule 9; CD300 antigen like family member G; CD300 antigen-like family member G; CD300 molecule like family member g; triggering receptor expressed on myeloid cells 4
NCBI Summary for CD300LG	Members of the CD300 (see MIM 606786)-like (CD300L) family, such as CD300LG, are widely expressed on hematopoietic cells. All CD300L proteins are type I cell surface glycoproteins that contain a single immunoglobulin (Ig) V-like domain (Takatsu et al., 2006 [PubMed 16876123]).[supplied by OMIM, Mar 2008]
UniProt Comments for CD300LG	CD300LG: Receptor which may mediate L-selectin-dependent lymphocyte rollings. Binds SELL in a calcium dependent manner. Binds lymphocyte. Belongs to the CD300 family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 17q21.31 Cellular Component: basolateral plasma membrane; apical plasma membrane; integral to membrane Molecular Function: IgM binding Biological Process: immune system process; immunoglobulin transcytosis in epithelial cells
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