CD106 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD106, Monoclonal Antibody
Full Product Name	CD106 (CD106 Antigen, DKFZp779G2333, INCAM 100, INCAM-100, L1CAM, MGC99561, Vascular Cell Adhesion Molecule 1, VCAM 1, VCAM1, VCA Cell Adhesion Protein 1) (MaxLight 405)
Product Gene Name	anti-CD106 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	3B10
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human L1CAM.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amo to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of proc the original vial prior to removing the cap.
Immunogen	Partial recombinant corresponding to aa23-132 from human L1CAM (NP_000416) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PEEYEGHHVMEPPVITEQSPRRLVVFPTDDISLKCEASGKPEVQFRWTRDGVHFKPKEELGVTVYQSPHSGSFTITGNNSNFAQRFQGIYRCFASNKLGT
Conjugate	MaxLight405
Product Categories/Family for anti-CD106 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD106 antibody	FLISA, Western Blot (WB)
Application Notes for anti-CD106 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-CD106 antibody	VCAM-1, which is present on activated endothelial cells. VCAM-1 is an adhesion molecule, which binds to the integrin alpha4/beta1 (VLA-4) and to the alpha4/beta7 on lymphocytes. This antibody has been shown to inhibit T lymphocyte adhesion to TNF stimulated endothelial cells. The molecular weigh recognized antigen is 110kD.
Other Notes	Small volumes of anti-CD106 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces 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 may apply.

Searchable Terms for CD106 purchase	MBS6189282 is an antibody targeting CD106. Also known as CD106 (CD106 Antigen, DKFZp779G2333, INCAM 100, INCAM-100, L1CAM, MGC9956 Cell Adhesion Molecule 1, VCAM 1, VCAM1, VCAM-1, Vascular Cell Adhesion Protein 1) (MaxLight 405). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD106. It may not necessarily be applicable to this product.

NCBI GI #	19388023
NCBI GeneID	3897
NCBI Accession #	NP_000416
UniProt Secondary Accession #	Q8TA87; A0AV65; A4ZYW4; B2RMU7; G3XAF4
UniProt Related Accession #	P32004
GenBank Nucleotide #	NM_000425
NCBI Official Full Name	L1CAM protein, partial
NCBI Official Synonym Full Names	L1 cell adhesion molecule
NCBI Official Symbol	L1CAM
NCBI Official Synonym Symbols	S10; HSAS; MASA; MIC5; SPG1; CAML1; CD171; HSAS1; N-CAML1; NCAM-L1; N-CAM-L1
Protein Family	Vascular cell adhesion protein
NCBI Protein Information	neural cell adhesion molecule L1; antigen identified by monoclonal antibody R1
NCBI Summary for CD106	The protein encoded by this gene is an axonal glycoprotein belonging to the immunoglobulin supergene family. The ectodomain, consisting of several immunoglobulin-like domains and fibronectin-like repeats (type III), is linked via a single transmembrane sequence to a conserved cytoplasmic domain. This cell adhesion molecule plays an important role in nervous system development, including neuronal migration and differentiation. Mutations in the gene cause X-linked neurological syndromes known as CRASH (corpus callosum hypoplasia, retardation, aphasia, spastic paraplegia and hydrocephalus). Alternative splicing of this gene results in multiple transcript variants, some of which include an alternate exon that is considered to be specific to neurons. [provided by RefSeq, May 2013]
Research Articles on CD106	**1.** Data suggest that miR-34a can regulate L1CAM expression by targeting L1CAM mRNA for degradation.
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