CD62L Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD62L, Monoclonal Antibody
Full Product Name	Fluor Violet 450 Anti-Human CD62L Antibody [HI62L]
Product Gene Name	anti-CD62L antibody
Product Synonym Names	L-selectin; Sell; CD62antigen-likefamilymemberL; LAM-1; LECAM1; Lymphnodehomingreceptor; Ly-22; CD62L; Lnhr; Ly22
Clonality	Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Number	HI62L
Host	Mouse
Species Reactivity	Human
Form/Format	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.
Concentration	5uL/Test (lot specific)
Preparation and Storage	This product can be stored at 2-8 degree C for 12 months. Do not freeze.
Matching Pairs	Antibody: CD62L (MBS2576129) Isotype Control: IgG2a,kappa Clone #C1.18.4 (MBS2568233)
Molecular Weight	42,187 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (169659806..169680843, complement). Location: 1q23-q25
OMIM	153240
3D Structure	ModBase 3D Structure for P14151
Conjugation	Fluor Violet 450
Usage	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent isuggested to be used 5 uL of antibody per test (million cells in 100 uL staining volume or per 100 uL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
Product Categories/Family for anti-CD62L antibody	Flow Cytometry Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CD62L antibody	Flow Cytometry (FC/FACS/FCM)
Related Product Information for anti-CD62L antibody	CD62L is 74-95 kD single chain type I glycoprotein referred to as L-selectin or LECAM-1. It is expressed on most peripheral blood B cells, subsets of T and NK cells, monocytes, granulocytes, and certain hematopoietic malignant cells. CD62L binds to carbohydrates present on certain glycoforms of CD34, glycam-1, and MAdCAM-1 and with a low affinity to anionic oligosaccharide sequences related to sialylated Lewis (sLex, CD15s) through its C-type lectin domain. CD62L is important for the homing of na?ve lymphocytes to high endothelial venules in peripheral lymph nodes and Peyer's patches. It also plays a role in leukocyte rolling on activated endothelial cells.

Other Notes	Small volumes of anti-CD62L antibody 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 CD62L purchase	MBS2576129 is an antibody targeting CD62L. Also known as Fluor Violet 450 Anti-Human CD62L Antibody [HI62L]. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD62L. It may not necessarily be applicable to this product.

NCBI GI #	262206315
NCBI GeneID	6402
NCBI Accession #	NP_000646.2
UniProt Primary Accession #	P14151
UniProt Secondary Accession #	P15023; Q9UJ43; B2R6Q8
UniProt Related Accession #	P14151
GenBank Nucleotide #	NM_000655.4
NCBI Official Full Name	L-selectin
NCBI Official Synonym Full Names	selectin L
NCBI Official Symbol	SELL
NCBI Official Synonym Symbols	TQ1; LAM1; LEU8; LNHR; LSEL; CD62L; LYAM1; PLNHR; LECAM1
UniProt Protein Name	L-selectin
UniProt Synonym Protein Names	CD62 antigen-like family member L; Leukocyte adhesion molecule 1; LAM-1; Leukocyte surface antigen Leu-8; Leukocyte-endothelial cell adhesion molecule 1; LECAM1; Lymph node homing receptor; TQ1; gp90-MEL
Protein Family	L-selectin
UniProt Gene Name	SELL
UniProt Synonym Gene Names	LNHR; LYAM1; LAM-1; LECAM1
UniProt Entry Name	LYAM1_HUMAN
NCBI Protein Information	L-selectin; gp90-MEL; pln homing receptor; lymph node homing receptor; lymphocyte adhesion molecule 1; leukocyte surface antigen Leu-8; CD62 antigen-like family member L; leukocyte-endothelial cell adhesion molecule 1
NCBI Summary for CD62L	This gene encodes a cell surface adhesion molecule that belongs to a family of adhesion/homing receptors. The encoded protein contains a C-type lectin-like domain, a calcium-binding epidermal growth factor-like domain, and two short complement-like repeats. The gene product is required for binding and subsequent rolling of leucocytes on endothelial cells, facilitating their migration into secondary lymphoid organs and inflammation sites. Single-nucleotide polymorphisms in this gene have been associated with various diseases including immunoglobulin A nephropathy. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Oct 2009]

UniProt Comments for CD62L	SELL: Cell surface adhesion protein. Mediates the adherence of lymphocytes to endothelial cells of high endothelial venules in peripheral lymph nodes. Promotes initial tethering and rolling of leukocytes in endothelia. Belongs to the selectin/LECAM family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 1q23-q25 Cellular Component: integral to plasma membrane; plasma membrane; external side of plasma membrane Molecular Function: heparin binding; protein binding; protease binding; cell adhesion molecule binding; carbohydrate binding; glycosphingolipid binding Biological Process: regulation of immune response; cell adhesion; blood coagulation; leukocyte migration; response to ATP Disease: Iga Nephropathy, Susceptibility To, 1
Research Articles on CD62L	**1.** Over-activation of ADAM17 in NK cells may be detrimental to their effector functions by down-regulating surface expression of CD16 and CD62L.
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