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human CD62L Mouse mAb

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Catalog # AP94216

Product Information

Primary Accession	P14151
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	42187
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CD62L
Isotype	Mouse IgG1, k
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4).
SUBCELLULAR LOCATION	Membrane; Single-pass type I membrane protein.
SIMILARITY	Belongs to the selectin/LECAM family. Contains 1 C-type lectin domain. Contains 1 EGF-like domain. Contains 2 Sushi (CCP/SCR) domains.
SUBUNIT	Interaction with PSGL1/SELPLG and PODXL2 is required for promoting recruitment and rolling of leukocytes. This interaction is dependent on the sialyl Lewis X glycan modification of PSGL1 and PODXL2, and tyrosine sulfation modifications of PSGL1. Sulfation on 'Tyr-51' of PSGL1 is important for L-selectin binding.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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].

Additional Information

Gene ID	6402
Other Names	L-selectin, 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, CD62L, SELL, LNHR, LYAM1
Target/Specificity	Expressed in B-cell lines and T-lymphocytes.

Dilution	Flow-Cyt=2ug/Test
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

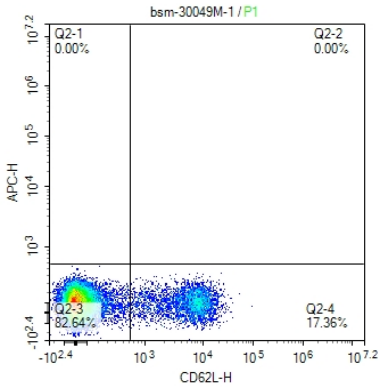
Protein Information

Name	SELL
Synonyms	LNHR, LYAM1
Function	Calcium-dependent lectin that mediates cell adhesion by binding to glycoproteins on neighboring cells (PubMed:12403782, PubMed:28011641, PubMed:28489325). 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 (PubMed:12403782, PubMed:28011641).
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Expressed in B-cell lines and T-lymphocytes.

Background

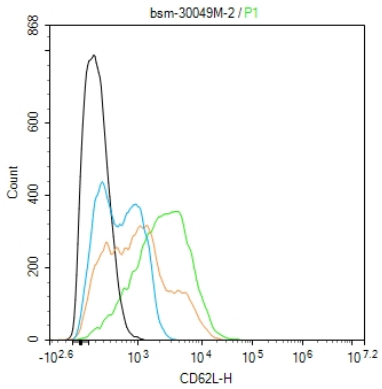
This gene encodes a cell surface adhesion molecule that belongs to a family of adhesion/homing receptors. The encoded protein contains a C-type lectin-like domain, a calcium-binding epidermal growth factor-like domain, and two short complement-like repeats. The gene product is required for binding and 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].

Images



scatter diagram showing peripheral blood lymphocytes stained with CD62L. The cells were incubated with the antibody (AP94216) for 30 min at 22°C.The secondary antibody used for 40 min at room temperature. Acquisition of >10,000 events was performed.

Blank control:Jurkat. Primary Antibody (green line): Mouse Anti-CD62L antibody (AP94216) Dilution: 2ug/Test; Secondary Antibody (white blue line) : Goat anti-mouse IgG-FITC Dilution: 0.5ug/Test. Isotype control(orange line) : Normal Mouse IgG Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells



stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.