

Anti-L-Selectin Antibody
Catalog # ABO12080

Specification

Anti-L-Selectin Antibody - Product Information

Application	IHC, WB
Primary Accession	P14151
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for L-selectin(SELL) detection. Tested with WB, IHC-P, ELISA in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-L-Selectin Antibody - 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

Calculated MW

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; KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat

ELISA , 0.1-0.5 µg/ml, Human,
Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

42187 MW

Tissue Specificity

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. .

Source

Membrane; Single-pass type I membrane protein.

Protein Name

Expressed in B-cell lines and T-lymphocytes. .

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃N.

Immunogen

E. coli-derived human L-selectin recombinant protein (Position: W39-Y372). Human L-selectin shares 77.5 % and 78.7 % amino acid (aa) sequence identity with mouse and rat L-selectin, respectively.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

L-selectin

Anti-L-Selectin Antibody - Protein Information

Name SELL

Synonyms LNHR, LYAM1

Function

Calcium-dependent lectin that mediates cell adhesion by binding to glycoproteins on neighboring cells (PubMed: [12403782](http://www.uniprot.org/citations/12403782), PubMed: [28011641](http://www.uniprot.org/citations/28011641), PubMed: [28489325](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/12403782), PubMed: [28011641](http://www.uniprot.org/citations/28011641)).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

Expressed in B-cell lines and T-lymphocytes.

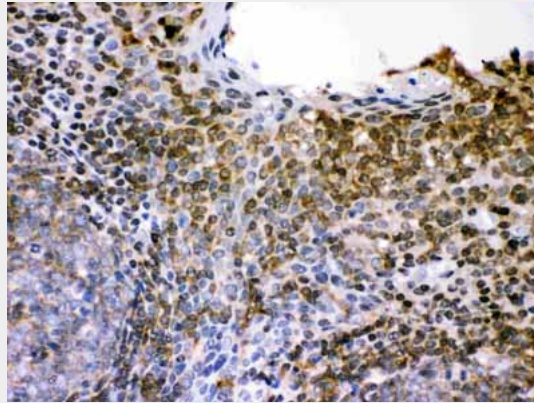
Anti-L-Selectin Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

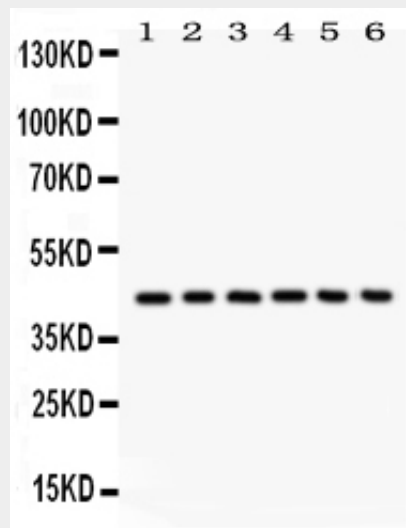
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-L-Selectin Antibody - Images



Anti- L-selectin Picoband antibody, ABO12080, IHC(P)IHC(P): Human Tonsil Tissue



Anti- L-selectin Picoband antibody, ABO12080, Western blotting
All lanes: Anti L-selectin (ABO12080) at 0.5ug/ml
Lane 1: Human Placenta Tissue Lysate at 50ug
Lane 2: JURKAT Whole Cell Lysate at 40ug
Lane 3: CEM Whole Cell Lysate at 40ug
Lane 4: HL60 Whole Cell Lysate at 40ug
Lane 5: Rat Spleen Tissue Lysate at 50ug
Lane 6: Mouse Spleen Tissue Lysate at 50ug
Predicted bind size: 42KD
Observed bind size: 42KD

Anti-L-Selectin Antibody - Background

CD62L, also known as L-selectin, is a cell adhesion molecule found on leukocytes. It belongs to the selectin family of proteins, which recognize sialylated carbohydrate groups. It is cleaved by ADAM17. SELL (L-selectin) is a cell surface component that is a member of a family of adhesion/homing receptors which play important roles in leukocyte-endothelial cell interactions. The molecule is composed of multiple domains: one homologous to lectins, one to epidermal growth factor, and two to the consensus repeat units found in C3/C4 binding proteins. L-selectin acts as a homing receptor" for leukocytes to enter secondary lymphoid tissues via high endothelial venules. Ligands present on endothelial cells will bind to leukocyte expressing L-selectin