

L Selectin Human

Description: L-Selectin Human Recombinant is expressed in E. coli containing 294 amino acids 39-332 fused to an amino terminal hexahistidine tag, having a total molecular weight of 37.55kDa.

Catalog #: PRPS-388

Synonyms: L-selectin, Lymph node homing receptor, Leukocyte adhesion molecule 1, LAM-1, Leukocyte surface antigen Leu-8, TQ1, gp90-MEL, Leukocyte-endothelial cell adhesion molecule 1, LECAM1, CD62 antigen-like family member L, CD62L antigen, LAM1, LNHR, LSEL, CD62L

For research use only.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Purity: Greater than 95% as determined by SDS-PAGE. Single band on Western Blot.

Formulation:

L-Sel is supplied in 1x PBS and 50% Glycerol.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

L-Selectin can be used directly as a positive control in Western blotting, ELISA, immunoprecipitation and other immunological experiments. The biological activity of this product has not yet been tested.

Introduction:

L-Selectin belongs to a family of divalent cation-dependent carbohydrate-binding glycoproteins or adhesion molecules. The L-Selectin molecule is composed of various 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 is expressed constitutively on lymphocytes, monocytes and granulocytes and interacts specifically with carbohydrate groups on activated endothelial cells. L-Selectin may be shed by proteolytic cleavage and circulating levels in biological fluids may be used as an indicator of various pathological conditions. L-Selectin is cleaved by ADAM17. L-selectin works as a "homing receptor" for leukocytes to enter secondary lymphoid tissues via the high endothelial venules. Ligands present on endothelial cells will attach to leukocytes expressing L-selectin, which causes the leukocytes to become localized at that juncture. The receptor is also located on the cell surfaces of "naive" T cells, which have not yet encountered their particular antigen. This surface expression is lost following the cells activation.

Storage:

Store at 4°C if entire vial will be used within 1-2 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

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