

## 32-13303: L-Selectin Human, Sf9

### Alternative Name :

Selectin L, Leukocyte-Endothelial Cell Adhesion Molecule 1, CD62 Antigen-Like Family Member L, Leukocyte Surface Antigen Leu-8, Lymphocyte Adhesion Molecule 1, Lymph Node Homing Receptor, Gp90-MEL, LECAM1, LYAM1, LNHR, TQ1, Leukocyte Adhesion Molecule, Pln Homing Receptor, CD62L Antigen, L-Selectin, CD62L, PLNHR, LAM-1, LAM1, LEU8, LSEL, L-selectin.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered clear solution.

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.

L-Selectin produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 303 amino acids (52-345a.a.) and having a molecular mass of 34.1kDa. (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). L-Selectin is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 2 µg / 10 µg

**Purification :** Greater than 90% as determined by SDS-PAGE.

**Content :** L-Selectin protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** ADPWTYHYSE KPMNWQRARR FCRDNYTDLV AIQNKAEIEY LEKTLPSRS YYWIGIRKIG GIWTWVGTKN  
SLTEEAENWG DGEPNNKKNK EDCVEIYIKR NKDAGKWDD ACHKLKAAALC YTASCQPWSC SGHGECVEII  
NNYTCNCDVG YGPGQCQFVI QCEPLEAPEL GTMDCTHPLG NFSFSSQCAF SCEGTNLTG IEETTCGPFG  
NWSSPEPTCQ VIQCEPLSAP DLGIMNCSHP LASFSFTSAC TFCISEGTEL IGKKTICES SGIWSNPSP  
CQKLDKSFMS IKEGDYNHHH HHH.