

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 LEKTLPFERS YYWIGIRKIG GIWTWVGTKN SLTEEAENWG DGEPNNKKNK EDCVEIYIKR NKDAGKWDD ACHKLKAAALC YTASCQPWSC SGHGECVEII NNYTCNCVDG YGPGQCQFVI QCEPLEAPEL GTMDCTHPLG NFSFSSQCAF SCSEGTNLTG IEETTCGPFG NWSSPEPTCQ VIQCEPLSAP DLGIMNCSHP LASFSFTSAC TFCISEGTEL IGKKTICES SGIWSNPSP I CQKLDKSFSM IKEGDYNHHH HHH.