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L-Selectin Human, Sf9

L-Selectin Human Recombinant, Sf9
RCP1268

Product Overview

Name	L-Selectin Human, Sf9

Description

L-Selectin Human Recombinant, Sf9

Accession (Primary)	P14151

Synonyms

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.

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.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered clear solution.

Formulation

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

Stability

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

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storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90% as determined by SDS-PAGE.

Amino acid sequence

ADP WTYHYSE KPMNWQRARR FCRDNYTDLV AIQNKAEIEY LEKTLPFSRS YYWIGIRKIG GIWTWVGTNK SLTEEAENWG DGEPNNKKNK EDCVEIYIKR NKDAGKWNDD ACHKLKAALC YTASCQPWSC SGHGECVEII NNYTCNCDVG YYGPQCQFVI QCEPLEAPEL GTMDCTHPLG NFSFSSQCAF SCSEGTNLTG IEETTCGPFG NWSSPEPTCQ VIQCEPLSAP DLGIMNCSHP LASFSFTSAC TFICSEGTEL IGKKKTICES SGIWSNPSPI CQKLDKSFSM IKEGDYN HHH HHH.

Precautions

L-Selectin Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P14151)