

32-4127: Recombinant Human L-Selectin

Alternative Name :

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,

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as determined by SDS-PAGE. Single band on Western Blot.
Content :	L-Sel is supplied in 1x PBS and 50% Glycerol.
Storage condition :	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.

