



## Product Datasheet

<b>Product Name</b>	L-selectin Human Recombinant
<b>Cata No</b>	CB501002
<b>Source</b>	<i>Escherichia Coli.</i>
<b>Synonyms</b>	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, LYAM1, Leu-8, PLNHR, hLHRc, Lyam-1, L-Sel.

### Description

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 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.

### 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.

### 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.