
Product Data Sheet

Product Name: L Selectin Human
 Cat. No.: GP23836
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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.		
Formulation	L-Sel is supplied in 1x PBS and 50% Glycerol.		

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.

Stability

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Background

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.

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