

Recombinant Human Selectin L, Fc-His

Cat. No. SELL-1660H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SELL was expressed in NSO cells. The extracellular domain of human L-Selectin (amino acid residues 1-332) was fused to the carboxy-terminal 6X his tagged Fc region of human IgG1 via a polypeptide linker.
Species	Human
Source	Mammalian Cells
Protein Length	1-332 a.a.
Description	L-selectin, also known as CD62L, is a cell adhesion molecule consisting of a large, highly glycosylated, extracellular domain found on leukocytes. It belongs to the selectin family of proteins, which recognise sialylated carbohydrate groups. L-selectin acts as a "homing receptor" for leukocytes to enter secondary lymphoid tissues via the high endothelial venules. L-selectin is an effective marker for separating lymphoid progenitors from myeloid progenitors and hematopoietic stem cells in bone marrow.
Molecular Weight	The predicted molecular weight of Recombinant Human L-Selectin is Mr 60.4 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 90-100 kDa under reducing conditions.
State Of Matter	Lyophilized.
Formulation	This recombinant protein was 0.2 µm filtered and lyophilized from modified Dulbecco's phosphate buffered saline (1X PBS) pH 7.2 – 7.3 with no calcium, magnesium, or

 Tel: 1-631-559-9269 1-516-512-3133

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	preservatives.
Purity	>90% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Biological Activity	The biological activity of Human L-Selectin was determined by the ability of the immobilized protein to support the adhesion of LS180 cells, a human colon adenocarcinoma cell line. When 1 x 10 ⁴ cells/well are added to human L-Selectin coated plates (10 µg/ml with 100 µl/well), approximately 90 - 100% will adhere for 1 hour incubation at RT.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

Gene Name	SELL selectin L [Homo sapiens]
Synonyms	SELL; selectin L; CD62L; LAM1; LECAM1; LEU8; LNHR; LSEL; LYAM1; PLNHR; TQ1; CD62 antigen-like family member L; L-selectin; gp90-MEL; leukocyte adhesion molecule-1; leukocyte surface antigen Leu-8; leukocyte-endothelial cell adhesion molecule 1; lymph node homing receptor; lymphocyte adhesion molecule 1; pln homing receptor; CD62L antigen; Leukocyte adhesion molecule 1; Leukocyte surface antigen Leu-8; Leukocyte-endothelial cell adhesion molecule 1; Lymph node homing receptor

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Gene ID	6402
mRNA Refseq	NM_000655
Protein Refseq	NP_000646
MIM	153240
UniProt ID	P14151
Chromosome Location	1q23-q25
Pathway	Cell adhesion molecules (CAMs); Hemostasis; Signaling in Immune system
Function	glycosphingolipid binding; heparin binding; protein binding; sugar binding

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