

# Recombinant Human Selectin L, His-tagged

**Cat. No.** SELL-2678H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human Selectin L fused to an amino-terminal His tag is expressed in <i>E. coli</i> .                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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. |
| <b>Purity</b>           | Greater than 95% (determined by SDS-PAGE and HPLC analysis).                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Endotoxin Level</b>  | < 0.1 ng per µg of rHu APO-E4 (1EU/µg).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Formulation</b>      | Sterile-filtered, liquid formulation. L-selectin is supplied in 50% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | 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.                                                                                                                                                                                                                                                                                                               |
| <b>Reconstitution</b>   | Please Note: Always centrifuge product before opening vial. The lyophilized protein                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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should be reconstituted with distilled, sterile water to a concentration of 0.1-1.0 mg/ml. For further dilution, carrier protein (0.1% BSA or HSA) should be added to avoid loss of bioactivity.

### Storage

The lyophilized protein, though stable at room temperature for up to 3 weeks, is best stored desiccated at -20°C. Reconstituted protein should be used immediately or stored long-term in undiluted working aliquots at -20°C. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze-thaw cycles.

## 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

### Gene ID

[6402](#)

### mRNA Refseq

[NM\\_000655](#)

### Protein Refseq

[NP\\_000646](#)

### MIM

[153240](#)

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|----------------------------|----------------------------------------------------------------------------|
| <b>UniProt ID</b>          | P14151                                                                     |
| <b>Chromosome Location</b> | 1q23-q25                                                                   |
| <b>Pathway</b>             | Cell adhesion molecules (CAMs); Hemostasis; Signaling in Immune system     |
| <b>Function</b>            | glycosphingolipid binding; heparin binding; protein binding; sugar binding |

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