# Recombinant Human Selectin L, His-tagged

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

## SPECIFICATION

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| **Product Overview** | Recombinant Human Selectin L fused to an amino-terminal His tag is expressed in *E. coli.* |
| **Species** | Human |
| **Source** | E.coli |
| **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. |
| **Purity** | Greater than 95% (determined by SDS-PAGE and HPLC analysis). |
| **Endotoxin Level** | < 0.1 ng per μg of rHu APO-E4 (1EU/μg). |
| **Formulation** | Sterile-filtered, liquid formulation. L-selectin is supplied in 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. |
| **Reconstitution** | 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

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| **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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| **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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