

Mouse L-selectin/CD62L, C-His Tag Protein

HA211126



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| Product name: | Mouse L-selectin/CD62L, C-His Tag |
| Species reactivity: | Mouse |
| Bio-Activity: | Testing in progress. |
| Protein construction description: | A DNA sequence encoding the mouse L-selectin/CD62L protein (P18337) (Trp 39-Asn 332) was expressed with a His tag at the C-terminus. |

Background: L-selectin, also known as CD62L, is a cell adhesion molecule found on the cell surface of leukocytes, and the blastocyst. It is coded for in the human by the SELL gene. L-selectin belongs to the selectin family of proteins, which recognize sialylated carbohydrate groups containing a Sialyl LewisX (sLeX) determinant. L-selectin plays an important role in both the innate and adaptive immune responses by facilitating leukocyte-endothelial cell adhesion events. These tethering interactions are essential for the trafficking of monocytes and neutrophils into inflamed tissue as well as the homing of lymphocytes to secondary lymphoid organs. L-selectin is also expressed by lymphoid primed hematopoietic stem cells and may participate in the migration of these stem cells to the primary lymphoid organs. In addition to its function in the immune response, L-selectin is expressed on embryonic cells and facilitates the attachment of the blastocyst to the endometrial endothelium during human embryo implantation. L-selectin is composed of multiple structural regions: an N-terminus C-type lectin domain, an adjacent epidermal growth factor-like domain, two to the consensus repeat units homologous to those found in C3/C4-binding proteins, an extracellular cleavage site, a short transmembrane domain, and a cytoplasmic tail. It is cleaved by ADAM17.

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| Purity: | >95% as determined by SDS-PAGE. |
| Endotoxin: | Less than 1.0 EU per µg by the LAL method. |
| Fragment region: | L-selectin/CD62L (39-332) |
| Source: | HEK293 |
| Accession: | P18337 |
| Predicted molecular mass: | 34.9 kD |
| Formulation: | Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol. |
| Reconstitution: | Reconstitute at 250 µg/ml in sterile water. |
| Storage: | Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles. |

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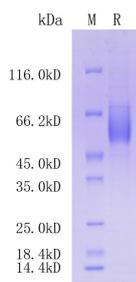


Fig1: Protein on SDS-PAGE under reducing (R) condition.

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