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Sell
Recombinant Mouse CD62L / L-Selectin / LECAM-1 (His & Fc Tag)

Catalog No.	CRM518A-HisFc CRM518B-HisFc	**Quantity:**	100 µg 200 µg

Alternate Names: L-selectin, CD62L, Leukocyte adhesion molecule 1, LAM-1, Leukocyte-endothelial cell adhesion molecule 1, LECAM-1, Lymphocyte antigen 22, Ly-22, Lymphocyte surface MEL-14 antigen

Description: L-selectin (CD62L) is a key adhesion molecule that regulates both the migration of leukocytes at sites of inflammation and the recirculation of lymphocytes between blood and lymphoid tissues. It belongs to the selectin family of proteins, and consisting of a large, highly glycosylated, extracellular domain, a single spanning transmembrane domain and a small cytoplasmic tail. L-selectin is the only selectin expressed on leukocytes and mediates a number of leukocyte-endothelial interactions. L-selectin acts as a "homing receptor" for leukocytes to enter secondary lymphoid tissues via high endothelial venules. Ligands present on endothelial cells will bind to leukocyte expressing L-selectin, slowing leukocyte trafficking through the blood, and facilitating entry into a secondary lymphoid organ at that point. L-selectin-mediated lymphocyte recirculation is required for maintaining the appropriate tissue distribution of lymphocyte subpopulations including naïve and effector subsets such as regulatory T cells. In addition, L-selectin-mediated entry into peripheral lymph nodes is required for optimal induction of lymphocyte homeostatic proliferation during lymphopenia. Importantly, L-selectin has been shown to have both adhesive and signaling functions during leukocyte migration. L-selectin has also been shown to mediate leukocyte recruitment during chronic inflammatory and autoimmune diseases and thus is a potential therapeutic target for drug development.

UniProt ID: P18337

Accession Number: NP_035476.1

Protein Construction: A DNA sequence encoding the extracellular domain (Met 1-Asn 332) of mouse SELL precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Source: HEK293 Cells

Formulation: Lyophilized from sterile PBS, pH 7.4
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

Molecular Weight: The rmCD62L/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 542 aa with a predicted MW of 61 kDa and migrates at ~100-110 kDa in reduced SDS-PAGE, due to glycosylation.

Purity: > 80 % as determined by SDS-PAGE

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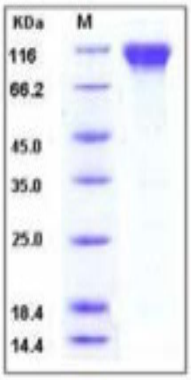
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method
Biological Activity:	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When cells are added to SELL coated plates (10 µg/mL, 100 µL/well) approximately >60% cells will adhere specifically.
Predicted N-terminal:	Trp 39
Reconstitution:	**Centrifuge vial prior to opening.** Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. **DO NOT VORTEX**. Allow several minutes for complete reconstitution.
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**

SDS-PAGE



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