

# Recombinant Mouse CD62L protein (rFc Tag)

Catalog Number: Eg3845

## Basic Information

**Species:**  
Mouse**Purity:**  
>90 %, SDS-PAGE**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

&gt;90 %, SDS-PAGE

**Endotoxin Level:**

&lt;1.0 EU/ µg protein, LAL method

**Source:**

HEK293-derived Mouse CD62L protein Trp39-Asn332 (Accession# P18337) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

20343

**Accession:**

P18337

**Predicted Molecular Mass:**

59.4 kDa

**SDS-PAGE:****Formulation:**

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

CD62L (L-Selectin) is a cell surface adhesion molecule belonging to the selectin family that is expressed predominantly on leukocytes, is involved in leukocyte rolling and adhesion processes, and is essential for lymphocyte homing and inflammatory responses. It contains a C-type lectin-like structural domain, an epidermal growth factor (EGF)-like structural domain, and two short consensus repeat units that mediate leukocyte rolling at sites of inflammation by binding to sialylated and fucosylated oligosaccharides on glycoproteins and glycolipids. In the immune response, changes in the expression level of CD62L can reflect the activation status of leukocytes, which are shed from the cell surface upon cell activation by proteolytic action, a process known as exocytosis. In addition, CD62L plays an important role in regulating the distribution and function of immune cells, for example, in the localization of cells in lymph nodes and at sites of inflammation.

## References

1. Kapitza, Laura et al. *Frontiers in immunology* vol. 14 1183698. 14 Aug. 2023.
2. Bravo, Francisco et al. *Clinical and translational gastroenterology* vol. 12,2 e00298. 15 Feb. 2021.
3. Yang, Shicheng et al. *PloS one* vol. 6,7 (2011): e22560.

4. Schwab

## Synonyms

L-selectin, CD62 antigen-like family member L, L selectin, LAM-1, LECAM 1

## Selected Validation Data

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For technical support and original validation data for this product please contact

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