

# Recombinant Human E-Selectin/SELE/CD62E Protein

Catalog No.: RP00377 Recombinant

### **Sequence Information**

Species Gene ID Swiss Prot Human 6401 P16581

**Tags** 

C-hFc

**Synonyms** 

CD62E; ELAM; ELAM1; ESEL; E-Selectin; LECAM2; SELE; selectin E; RP1-117P20.2

### **Product Information**

Source Purification

HEK293 cells  $\geq$  95 % as determined by SDS-PAGE; $\geq$  95 % as

HPLC.

determined by

Calculated MW Observed MW

85.4 kDa 90-130 kDa

**Endotoxin** 

< 1 EU/µg of the protein by LAL method.

#### **Formulation**

Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

## Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### **Contact**

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### **Background**

E-Selectin (Endothelial Leukocyte Adhesion Molecule-1, ELAM-1, CD62E), a member of the Selectin family, is a 107 - 115 kDa cell surface glycoprotein. It is transiently expressed on vascular endothelial cells in response to IL-1 beta and TNF-alpha.E-selectin mediates in the adhesion of blood neutrophils in cytokine-activated endothelium through interaction with SELPLG/PSGL1. May have a role in capillary morphogenesis.

#### **Basic Information**

#### Description

Recombinant Human E-Selectin/SELE/CD62E Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp22-Pro556) of Human E-Selectin/SELE/CD62E (Accession #P16581) fused with a C-hFc tag at the C-terminus.

#### **Bio-Activity**

#### **Shipping**

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

#### **Storage**

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

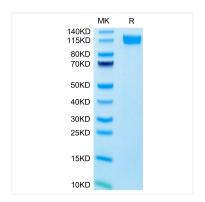
After reconstitution, the protein solution is stable at -20  $^{\circ}$ C for 3 months, at 2-8  $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

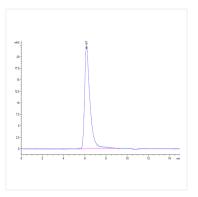
#### **Operational Notes**

For your safety and health, please wear a lab coat and disposable gloves for handling.

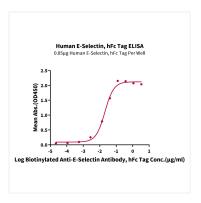
# **Validation Data**



Recombinant Human E-Selectin/SELE/CD62E Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human E-selectin is greater than 95% as determined by SEC-HPLC.



Immobilized Human E-Selectin, hFc Tag at 0.5  $\mu$ g/mL (100  $\mu$ L/Well) on the plate. Dose response curve for Biotinylated Anti-E-Selectin Antibody, hFc Tag with the EC<sub>50</sub> 20.5ng/mL determined by ELISA.