

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	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

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 stabilizer (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.

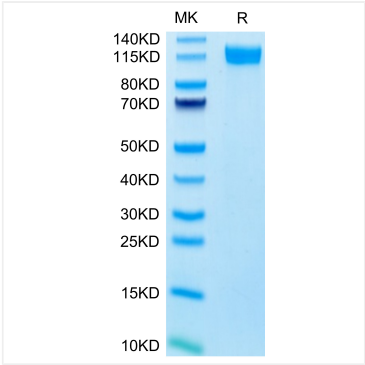
Bio-Activity

Storage

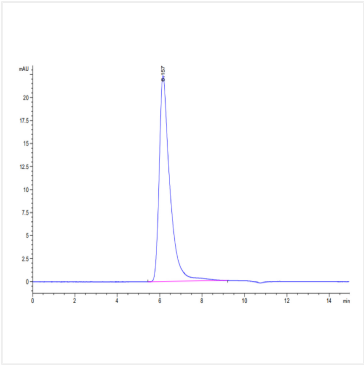
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.



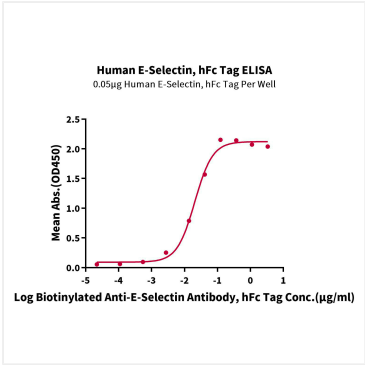
Validation Data



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 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-E-Selectin Antibody, hFc Tag with the EC₅₀ 20.5ng/mL determined by ELISA.