

Biotinylated Recombinant Human P-Selectin/SELP/CD62P Protein

Catalog No.: RP02487B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	6403	P16109

Tags

C-His&Avi

Synonyms

CD62; CD62P; GMP140; GRMP; LECAM3; PADGEM; PSEL; CD62P/P-selectin; SELP; CD62P; GMP140; GRMP; LECAM3; PADGEM; PSEL

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE and HPLC

Calculated MW	Observed MW
82.9 kDa	115-140 kDa

Endotoxin

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

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the tube 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

Human P-Selectin is a cell surface glycoprotein expressed by activated platelets and endothelial cells. A SLe(x)-type proteoglycan, which through high affinity, calcium-dependent interactions with E-, P- and L-selectins, mediates rapid rolling of leukocytes over vascular surfaces during the initial steps in inflammation.

Basic Information

Description

Biotinylated Recombinant Human P-Selectin/SELP/CD62P Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Trp42-Ala771) of Human P-Selectin/SELP/CD62P fused with His tag and Avi tag at the C-terminus.

Bio-Activity

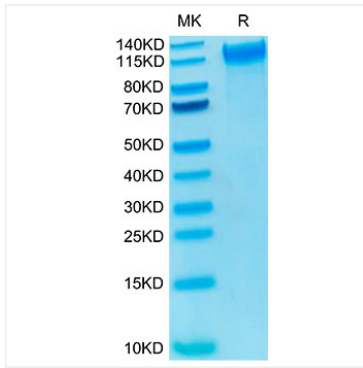
Storage

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

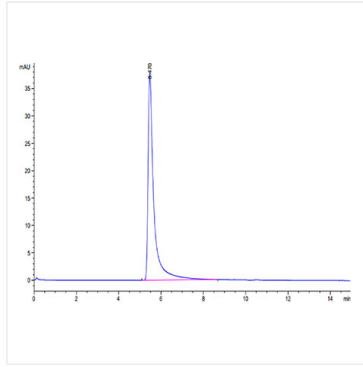
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

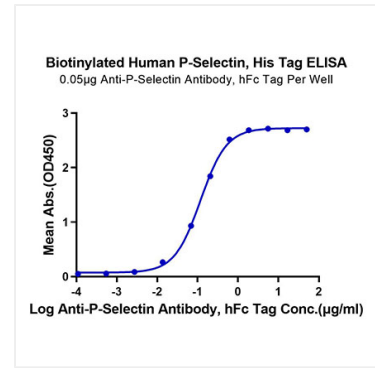
Validation Data



Biotinylated Human P-Selectin on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human P-Selectin is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-P-selectin Antibody, hFc Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Human P-Selectin, His Tag with the EC_{50} of 0.11µg/ml determined by ELISA.