

Datasheet for ABIN7197884
P-Selectin Protein (His tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	P-Selectin (SELP)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This P-Selectin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse SELP/selectin P/P-selectin Protein (His Tag)(Active)
Sequence:	Met1-Ala709
Characteristics:	A DNA sequence encoding the mouse SELP (Q01102) (Met1-Ala709) was expressed with a C-terminal polyhistidine tag.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by the ability of the immobilized protein to support the adhesion of U937 cells. When 5 x 10E4 cells/well are added to SELP-coated plates (5 µg/mL and 100 µL/well), approximately >70% cells will adhere specifically after 60 minutes at 37°C.

Target Details

Target:	P-Selectin (SELP)
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Target Details

Alternative Name: SELP/selectin P/P-selectin ([SELP Products](#))

Background: P selectin (SELP) is a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. SELP mediates rapid rolling of leukocyte rolling over vascular surfaces during the initial steps in inflammation through interaction with PSGL1. P selectin is a cell adhesion molecule on the surface of activated endothelial cells. Cellular adhesion molecules are a large family of proteins that attach the cytoskeleton and intracellular signaling cascades with the extracellular environment. SELP is a calcium-dependent receptor for myeloid cells that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes.

Synonym: CD62P,GMP-140,Grmp,LECAM3,PADGEM

Molecular Weight: 74 kDa

UniProt: [Q01102](#)

Application Details

Restrictions: For Research Use only

Handling

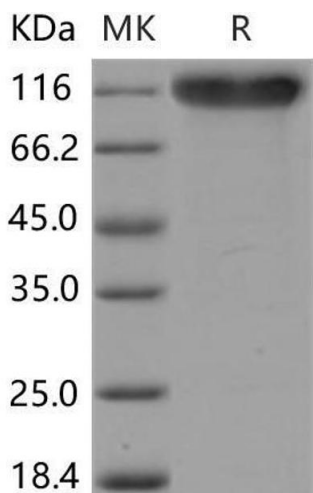
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.