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Datasheet for ABIN7317850
SELPLG Protein (His tag,Fc Tag)

Overview

Quantity:	100 µg
Target:	SELPLG
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SELPLG protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Human PSGL-1/CD162 Protein (His & Fc Tag)
Sequence:	Met 1-Val295
Characteristics:	A DNA sequence encoding the extracellular domain (Met1-Val295) of human PSGL-1 precursor (AAC50061.1) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SELPLG
Alternative Name:	PSGL-1/CD162 (SELPLG Products)
Background:	Background: P-selectin glycoprotein ligand-1 (PSGL-1), also known as SELPLG or CD162, is the high affinity counter-receptor for P-selectin on expressed on activated endothelial cells and

Target Details

platelets. PSGL-1 is a mucin-type glycoprotein, expressed on leukocytes and platelets as a homodimer of two disulfide-linked subunits of ~120 kD. As cell adhesion molecules, multiple studies have shown that PSGL-1/ P-selectin interaction is required for the normal recruitment of leukocytes during inflammatory reactions, and also participates in hemostatic responses. PSGL-1 protein requires two distinct posttranslational modifications for the Ca²⁺-dependent recognition by the lectin domain of P-selectin, that is tyrosine sulfation and specific O-linked glycosylation (sialic acid and fucose). PSGL-1 can also bind to other two members of the selectin family, E-selectin (endothelial) and L-selectin (leukocyte), but binds best to P-selectin. Synonym: P-selectin glycoprotein ligand 1, PSGL-1, Selectin P ligand, CD162, SELPLG,CLA,PSGL1

Molecular Weight: 57.1 kDa

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.