PRODUCT INFORMATION

Target	SELP
Synonyms	P-Selectin;CD62P;SELP;GMP-140
Description	Recombinant human SELP protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P16109
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	SELP(Trp42-Aal771) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 106.1 kDa after removal of the signal peptide.The apparent molecular mass of SELP-hFc is approximately 130-150 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes a 140 kDa protein that is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. This protein redistributes to the plasma membrane during platelet activation and degranulation and mediates the interaction of activated endothelial cells or platelets with leukocytes. The membrane protein is a calcium-dependent receptor that binds to sialylated forms of Lewis blood group carbohydrate antigens on neutrophils and monocytes. Alternative splice variants may occur but are not well documented.
Usage	Research use only
Conjugate	Unconjugated

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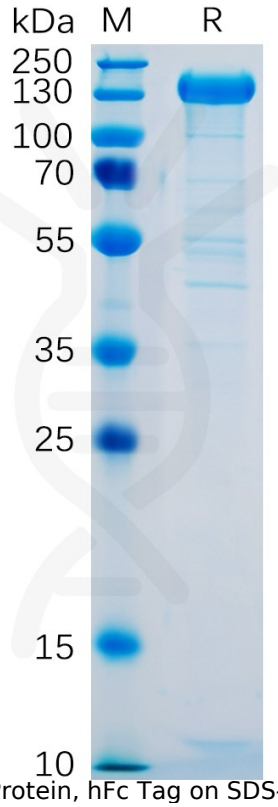


Figure 1. Human SELP Protein, hFc Tag on SDS-PAGE under reducing condition.

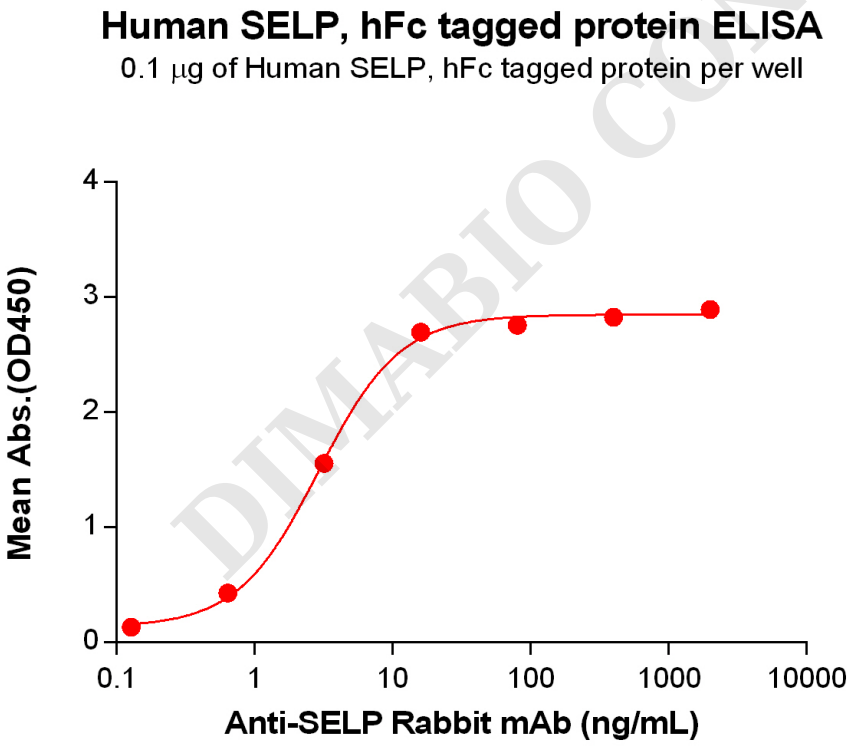


Figure 2. ELISA plate pre-coated by 1 μg/mL (100 μL/well) Human SELP Protein, hFc Tag(PME100087) can bind Anti-SELP Rabbit mAb in a linear range of 0.64-16 ng/mL.

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