

HUMAN SELP PROTEIN, HFC TAG

Cat.#: 11207

Product Name: Human SELP Protein

Size: 10 µg, 50 µg and 100 µg

Synonyms: P-Selectin;D62P;ELP;MP-140

Target: SELP

UNIPROT ID: P16109

Description: Recombinant human SELP protein with C-terminal human Fc tag

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.

Species/Host: HEK293

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.

Molecular Characterization: SELP(Trp42-Aal771) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

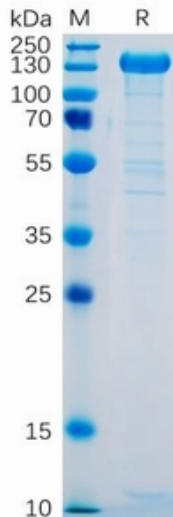


Figure 1. Human SELP Protein, hFc Tag on SDS-PAGE under reducing condition.

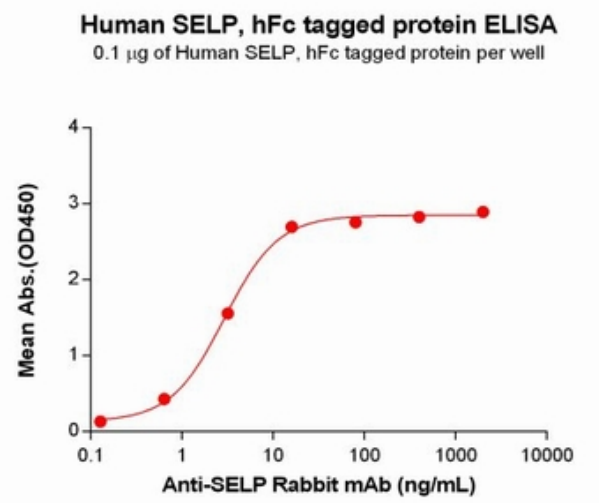


Figure 2. ELISA plate pre-coated by 1 µg/ml (100 µl/well) Human SELP Protein, hFc Tag(11207) can bind Anti-SELP Rabbit mAb in a linear range of 0.64-16 ng/mL.