

RPES8454

Product Information

Product SKU: RPES8454	Expression Host: Mammalian	Size: 20µg
Tag: C-Fc	Reactivity: Mouse	Accession: Q01102

Additional Information

Calculated MW: 98.3 kDa	Observed MW: 100-120 kDa
Sequence: Trp42-Ala709	

Protein Information

Background: P selectin (SELP) is a 140kDa 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.

Synonyms: Antigen CD62, CD62, CD62 antigen-like family member P, CD62P, GMP 140, GMP-140, GMP140, GMRP, Granule membrane protein 140, Granulocyte membrane protein, GRMP, LECAM 3, LECAM3, Leukocyte endothelial cell adhesion molecule 3, Leukocyte-endothelial cell adhesion molecule 3, LYAM3_HUMAN, P Selectin, P-selectin, PADGEM, Platelet activation dependent granule-external membrane protein, Platelet alpha granule membrane protein, PSEL, Selectin P (granule membrane protein 140kDa, antigen CD62), SELP

Endotoxin: < 1.0 EU/mg of the protein as determined by the LAL method

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Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Storage: 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.