



Recombinant Protein Technical Manual

Recombinant Mouse PSGL/CD162 Protein (aa 1-307, Fc Tag) RPES4608

Product Data:

Product SKU: RPES4608

Size: 50µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: Q62170

Protein Information:

Molecular Mass: 57.4 kDa

AP Molecular Mass: 82 kDa

Tag: C-Fc

Bio-activity:

Purity: > 85 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg of the protein as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from sterile PBS, pH 7.4

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

Application:

Synonyms: CD162;Psgl;Psgl1;Selpl1;CLA; PSGL1; PSGL

Immunogen Information:

Sequence: Met 1-Cys 307

Background:

P-selectin glycoprotein ligand (PSGL), also known as SELPLG or CD162, is the high affinity counter-receptor for P-selectin on expressed on activated endothelial cells and platelets. PSGL 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/ P-selectin interaction is required for the normal recruitment of leukocytes during inflammatory reactions, and also participates in hemostatic responses. PSGL protein requires two distinct posttranslational modifications for the Ca^{2+} -dependent recognition by the lectin domain of P-selectin, that is tyrosine sulfation and specific O-linked glycosylation (sialic acid and fucose). PSGL can also bind to other two members of the selectin family, E-selectin (endothelial) and L-selectin (leukocyte), but binds best to P-selectin.