Recombinant Protein Technical Manual

Recombinant Human PSGL/CD162 Protein (Fc Tag)

RPES0148

Product Data:

Product SKU: RPES0148

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q14242

Protein Information:

Molecular Mass: 52.7 kDa

AP Molecular Mass: >170 kDa

Tag: C-Fc

Bio-activity:

Purity: > 95% as determined by reducing SDS-PAGE.

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

Storage: Lyophilized protein should be stored at < -20℃, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

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

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM Tris,150mM NaCl,pH8.0.

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

Application:

Synonyms: P-selectin glycoprotein ligand 1; PSGL; Selectin P ligand; CD162; SELPLG;CLA;PSGL1

Immunogen Information:

Sequence: Thr44-Gly295

Background:

PSGL (CD162), is a mucintype glycoprotein that plays a key role in leukocyte adhesion. Human PSGL cDNA encodes 412 amino acids (aa). It expressed on neutrophils, monocytes and most lymphocytes. The mature PSGL (aa 42-412) is expressed as a disulfide-linked homodimer that signals intracellularly and promotes integrin activation. PSGL is found on virtually all leukocytes, dendritic cells, platelets, and some endothelial cells. It is primarily responsible for early events in extravasation, especially rolling adhesion of leukocytes to vascular endothelium. Through high affinity, This SLe(x)-type proteoglycanPGSL calcium-dependent interactions with E-, P- and L-selectins, mediates rapid rolling of leukocytes over vascular surfaces during the initial steps in inflammation.