



Recombinant Protein Technical Manual
Recombinant Human CD31/PECAM1 Protein (Fc Tag)
RPES0555

Product Data:

Product SKU: RPES0555

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P16284

Protein Information:

Molecular Mass: 91.6 kDa

AP Molecular Mass: 11030 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°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°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 a 0.2 µm filtered solution of PBS, pH7.4.

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

Application:

Synonyms: Platelet endothelial cell adhesion molecule; PECAM; EndoCAM; GPIIA; PECA1; CD31; PECAM1

Immunogen Information:

Sequence: Gln28-Lys601

Background:

Semaphorin-4G is the least characterized of the seven known Class 4 transmembrane semaphorin glycoproteins. Class 4 semaphorins play multiple roles in cell attraction or repulsion, such as development of nerve pathways in the brain, promoting or inhibiting proliferation, in some cases organizing immune cell interactions. Semaphorin-4G can be expressed early in development in the central and peripheral nervous systems and in sensory organs, such as cochlea, olfactory epithelium, vomeronasal organ and retina. In adults, Semaphorin-4G can be found in liver, kidney and brain. The human Semaphorin-4G precursor consists of a 17 amino acids signal sequence, a 658 amino acids extracellular domain, a 21 amino acids transmembrane domain, a 142 amino acids cytoplasmic domain with one Ser/Thr phosphorylation site.