

Datasheet for ABIN7319502

CD31 Protein (Fc Tag)

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Overview

Quantity:	50 µg
Target:	CD31 (PECAM1)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD31 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human CD31/PECAM1 Protein (Fc Tag)
Sequence:	Gln28-Lys601
Characteristics:	Recombinant Human PECAM-1 is produced by our Mammalian expression system and the target gene encoding Gln28-Lys601 is expressed with a Fc tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD31 (PECAM1)
Alternative Name:	CD31/PECAM1 (PECAM1 Products)
Background:	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

Target Details

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.

Synonym: Platelet endothelial cell adhesion molecule, PECAM-1, EndoCAM, GPIIA, PECA1, CD31, PECAM1

Molecular Weight: 91.6 kDa

UniProt: [P16284](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.