Recombinant Human PECAM1, Fc-Tagged

Cat. No. PECAM1-59H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PECAM1, Fc-Tagged expressed in human cells is a disulfide-linked homodimer.The reduced monomer consists of 812 amino acids and predicts a molecular mass of 91.2 KDa. As a result of glycosylation, the rhCD31/Fc monomer migrates as approximately 130-140 KDa band in SDS-PAGE under reducing conditions.
Species	Human
Source	Human Cells
Description	The CD31 adhesion molecule, also known as PECAM-1, is expressed in large amounts on endothelial cells at intercellular junctions and on T-cell subsets, and to a lesser extent on platelets and most other leukocytes such as monocytes and neutrophils. CD31 binds to itself homotypically, and also to the leukocyte integrinαvβ3 heterotypically. CD31 is required for the transendothelial migration of leukocytes through intercellular junctions of vascular endothelial cells. CD31 has been found in human plasma, and the presence of this circulating isoform is suggested to modulate the transendothelial migration of leukocytes.A DNA sequence encoding the extracellular domain (Met 1- Lys 601) of human CD31 (NP_000433.3) precursor was expressed with the fused Fc region of human IgG1 at the C-terminus.
Predicted N terminal	Gln 28
Purity	> 95%, as determined by SDS-PAGE

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Formulation	Supplied as a 0.2μm filtered solution of 100mM Glycine, 10mM NaCl, 50 mM Tris, pH 7.5
Endotoxin	< 1.0 EU per 1μg cytokine as determined by the LAL method
Reconstitution	Follow the instructions on the vial. Centrifuge the vial at 4℃ before opening to recover the entire contents.
Stability	Samples are stable for up to twelve months from date of receipt -70℃
Storage	Store it under sterile conditions at -70℃after receipt. It is recommended that the protein be aliquoted for optimal storage and be used as soon as possible.Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	PECAM1
Synonyms	CD31; PECAM-1; CD31 antigen; CD31/EndoCAM; adhesion molecule; GPIIA"; CD31 antigen; adhesion molecule; platelet/endothelial cell adhesion molecule; platelet/endothelial cell adhesion molecule (CD31 antigen); PECAM1
Gene ID	5175
mRNA Refseq	NM_000442
Protein Refseq	NP_000433
MIM	173445
UniProt ID	P16284

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Chromosome Location	17q23
Pathway	Cell adhesion molecules (CAMs); Leukocyte transendothelial migration;Hemostasis; Signaling in Immune system
Function	protein binding

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