Active Recombinant Human PECAM1 protein, hFc-tagged

Cat. No. PECAM1-014H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PECAM1 protein(Met 1-Lys 601)(EAW94208.1) was expressed in HEK293 with the fused Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-601 aa
Form	Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5.
Bio-activity	Measured by its ability of the immobilized protein to support the adhesion of Jurkat human acute T cell leukemia cells. When 8 × 10^4 cells/well are added to sCD31-Fc coated plates (1.25μg/mL, 100μL/well) in the presence of 20ng/mL PMA, approximately 20-45% will adhere after 30 minutes at 37°C.
Molecular Mass	The recombinant human CD31/Fc 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.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PECAM1 platelet/endothelial cell adhesion molecule 1 [Homo sapiens]
Official Symbol	PECAM1
Synonyms	PECAM1; platelet/endothelial cell adhesion molecule 1; platelet/endothelial cell adhesion molecule; platelet endothelial cell adhesion molecule; CD31; CD31 antigen; PECA1; GPIIA; PECAM-1; endoCAM; CD31/EndoCAM; FLJ34100; FLJ58394;
Gene ID	5175
mRNA Refseq	NM_000442
Protein Refseq	NP_000433
MIM	173445
UniProt ID	P16284

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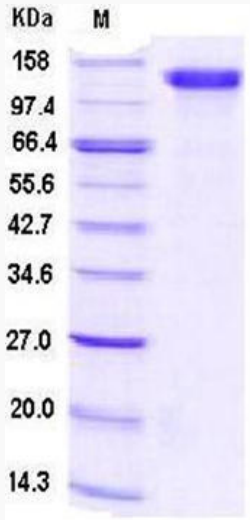
SDS-PAGE	

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