

Active Recombinant Human PECAM1 protein, His-tagged

Cat. No. PECAM1-647H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PECAM1 protein(Gln28-Lys601), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	28-601 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized Human CD31 at 1 µg/mL (100 µL/well) can bind Human CTNNB1 with a linear range of 9.7 ng/mL-1.5 µg/mL. 2. Measured by the 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 CD31 coated plates (5µg/mL, 100 µL/well) in the presence of 10 µg/mL PHA,approximately 60-70% will adhere after 30 minutes at 37°C. 3. Measured by its binding ability in a functional ELISA.Immobilized APC anti-human CD31 Antibody at 1µg/mL (100 µL/well) can bind Human CD31 Protein with a linear range of 4-25.8 ng/mL.
Molecular Mass	65.30 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.

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Purity	≥ 90 % as determined by SDS-PAGE.
Storage	Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Reconstitution	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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