

Active Recombinant Human CD226 protein, Fc-tagged, R-PE labeled

Cat. No. CD226-635HP **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD226 protein, Fc-tagged was Conjugated with NH2-Reactive R-PE(R-Phycoerythrin).
Species	Human
Source	HEK293
ProteinLength	Met1-Asn247
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1.Measured by its binding ability in a functional ELISA. Immobilized CD155a-His at 10 µg/mL (100 µL/well) can bind CD226-Fc, the EC50 of human CD226-Fc is 15-40 ng/mL. 2.Loaded Human CD226 Protein, hFc Tag on ProA Biosensor, can bind human CD155 protein, His Tag with an affinity constant of 0.87µM as determined in BLI assay (Sartorius Octet Red384).
Molecular Mass	The recombinant human CD226 consists of 467 amino acids and predicts a molecular mass of 52.7 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.

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Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted 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.
Conjugation	R-PE

GENE INFORMATION

Gene Name	CD226 CD226 molecule [Homo sapiens]
Official Symbol	CD226
Synonyms	CD226; CD226 molecule; CD226 antigen; DNAM 1; DNAM1; PTA1; TLISA1; adhesion glycoprotein; DNAX accessory molecule 1; DNAX accessory molecule-1; platelet and T cell activation antigen 1; T lineage-specific activation antigen 1 antigen; DNAM-1;
Gene ID	10666
mRNA Refseq	NM_006566
Protein Refseq	NP_006557
MIM	605397
UniProt ID	Q15762

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