

RP00283

Leader in Biomolecular Solutions for Life Science



# Recombinant Human DNAM-1/CD226 Protein

Catalog No.: RP00283

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	10666	Q15762

### Tags

C-hFc&His

### Synonyms

CD226;DNAM-1;DNAM1;PTA1;TLISA1

## Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### 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 freeze-thaw cycles.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

This protein is also known as PTA1 or DNAM-1, is a member of the immunoglobulin superfamily containing 2 Ig-like domains of the V-set. High rate of CD226 (Cluster of Differentiation 226) is found on the surface of natural killer cells, platelets, monocytes and a subset of T cells. CD226 have binding sites with CD112 and CD155 and mediate cellular adhesion to other cells containing its ligands.

## Basic Information

### Description

Recombinant Human DNAM-1/CD226 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Glu19-Asn247) of human CD226 (Accession #NP\_006557.2) fused with an Fc, 6xHis tag at the C-terminus.

### Bio-Activity

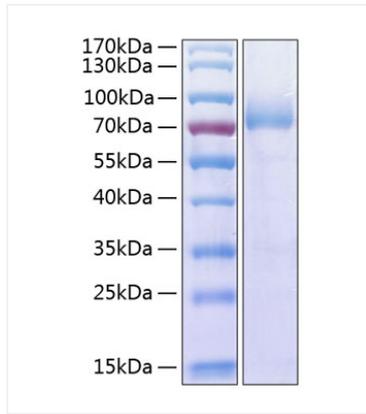
Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human CD226 at 2 μg/mL (100 μL/well) can bind Recombinant Human CD155 with a linear range of 0.3-1.2 μg/mL.

### Storage

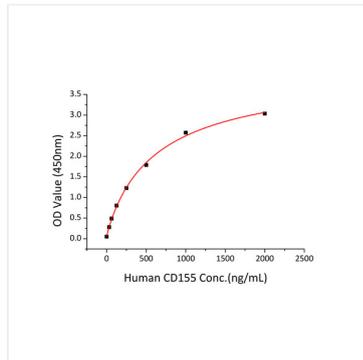
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Validation Data

---



Recombinant Human DNAM-1/CD226  
Protein was determined by SDS-PAGE with  
Coomassie Blue, showing a band at 78-92  
kDa.



Immobilized Recombinant Human CD226 at  
2 $\mu$ g/mL (100  $\mu$ L/well) can bind Recombinant  
Human CD155 with a linear range of 0.3-1.2  
 $\mu$ g/mL.