

Datasheet for ABIN7274455

**CD226 Protein (CD226) (AA 19-247) (His-Avi Tag)****3** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CD226
Protein Characteristics:	AA 19-247
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD226 protein is labelled with His-Avi Tag.

## Product Details

Purpose:	Human DNAM-1/CD226 Protein
Sequence:	Glu19-Asn247
Characteristics:	Recombinant Human DNAM-1/CD226 Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Glu19-Asn247.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by SEC-HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.22µM as determined in SPR assay (Biacore T200). See testing image for detail.

## Target Details

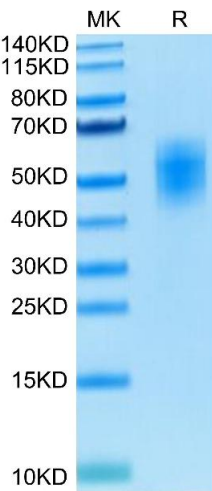
Target:	CD226
Alternative Name:	DNAM-1 ( <a href="#">CD226 Products</a> )
Background:	DNAX accessory molecule-1 (DNAM-1), also known as CD226, is a 65 kDa type I transmembrane glycoprotein in the immunoglobulin superfamily. DNAM-1 mediates cellular adhesion to other cells bearing its ligands, CD112 and CD155, and cross-linking DNAM-1 with antibodies causes cellular activation. Furthermore, DNAM-1 can interact with PVR and PVRL2.
Molecular Weight:	28.9 kDa. Due to glycosylation, the protein migrates to 45-70 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q15762</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

Restrictions:	For Research Use only
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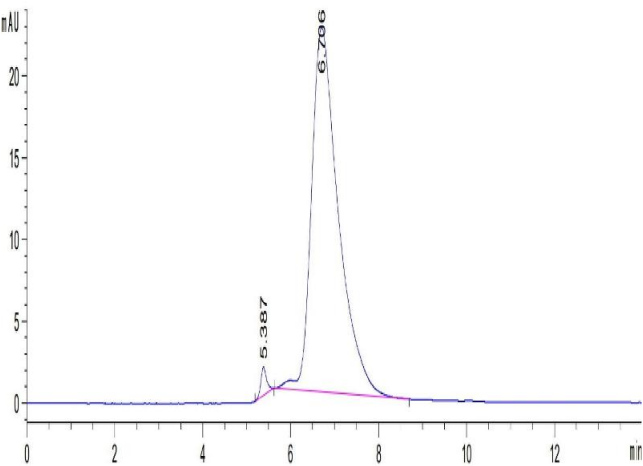
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



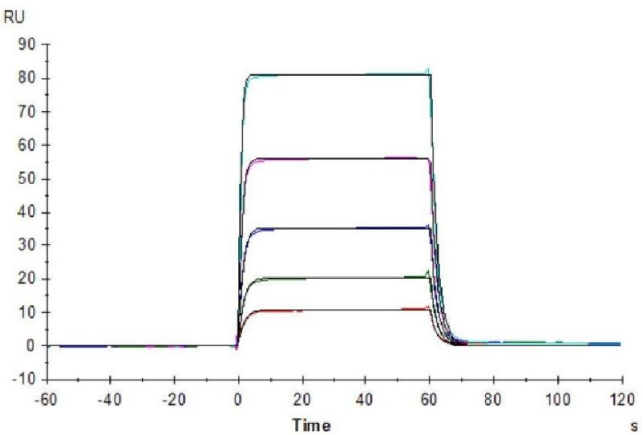
SDS-PAGE

**Image 1.** Human DNAM-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human DNAM-1 is greater than 95 % as determined by SEC-HPLC.



Surface Plasmon Resonance

**Image 3.** Human CD155, hFc Tag captured on Protein A chip, can bind Human DNAM-1, His Tag with an affinity constant of 0.22 $\mu$ M as determined in a SPR assay (Biacore T200).