

Datasheet for ABIN7320734

**CD226 Protein (CD226) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	CD226
Origin:	Mouse
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD226 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse CD226/DNAM-1 Protein (His Tag)
Sequence:	Glu19-Pro254
Characteristics:	Recombinant Mouse DNAX Accessory Molecule-1 is produced by our Mammalian expression system and the target gene encoding Glu19-Pro254 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	CD226
Alternative Name:	CD226/DNAM-1 ( <a href="#">CD226 Products</a> )
Background:	Background: Mouse DNAX accessory molecule-1(DNAM-1) is a type I transmembrane glycoprotein that belongs to the immunoglobulin superfamily. As an activating receptor, it

## Target Details

interacts with the ligands CD155 and CD112, and activates natural killer (NK) cells via its immunoreceptor tyrosine-based activatory motif (ITAM). Mature mouse DNAM-1 has extracellular domain (ECD) that contains two Ig-like C2-set domains, and possesses a cytoplasmic region that contains motifs for binding PDZ domains. DNAM-1 is expressed on several lymphoid and myeloid cell types and interacts with CD155/PVR and Nectin-2/CD112. Ligation of DNAM-1 promotes the activation of NK cells, CD8+ T cells, and mast cells, induces dendritic cell maturation, initiates megakaryocyte and activated platelet adhesion to vascular endothelial cells, and stimulates monocyte extravasation? Conversely, it inhibits the formation of osteoclasts. Platelet-endothelium interactions that are mediated by DNAM-1 enable the metastasis of tumor cells to the lung.

Synonym: CD226 antigen, platelet and T cell activation antigen 1, CD226 Molecule, DNAM1 adhesion glycoprotein, DNAM-1, DNAX accessory molecule-1, DNAX accessory molecule 1, PTA1, T lineage-specific activation antigen 1 antigen, CD226, PTA1, TLISA1, BC051526, DNAM-1, DNAM1, Pta1, TLISA1

Molecular Weight: 27.6 kDa

NCBI Accession: [NP\\_848802](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Cancer Immune Checkpoints](#)

## Application Details

Restrictions: For Research Use only

## Handling

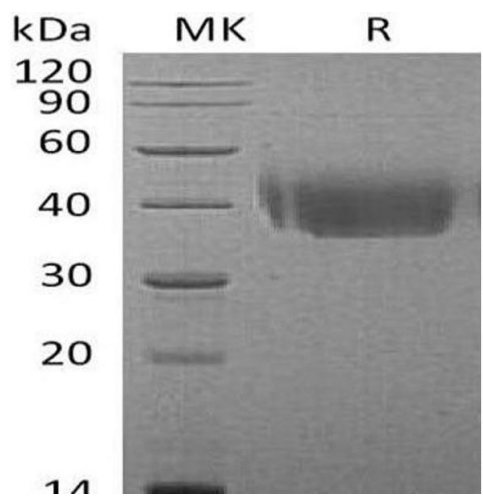
Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.



Western Blotting

Image 1.