

Datasheet for ABIN7275432

PDCD1LG2 Protein (His-Avi Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PDCD1LG2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDCD1LG2 protein is labelled with His-Avi Tag.

Product Details

Sequence:	Leu20-Thr220
Purity:	> 95% as determined by Tris-Bis PAGE, > 95% as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.296 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	PDCD1LG2
Alternative Name:	PD-L2 (PDCD1LG2 Products)
Background:	PD-L2, PD-L2, Butyrophilin B7-DC, CD273, PDCD1 ligand 2, PDCD1L2, PDCD1LG2, B7DC, bA574F11.2, Btdc, PD-1 ligand 2 (PD-L2) as a second ligand for PD-1 and compare the function and expression of PD-L1 and PD-L2. Engagement of PD-1 by PD-L2 dramatically inhibits T cell

Target Details

	receptor (TCR)-mediated proliferation and cytokine production by CD4 T cells. At low antigen concentrations, PD-L2-PD-1 interactions inhibit strong B7-CD28 signals.
Molecular Weight:	25.3 kDa. Due to glycosylation, the protein migrates to 40-52 kDa based on Tris-Bis PAGE result.
UniProt:	Q9BQ51

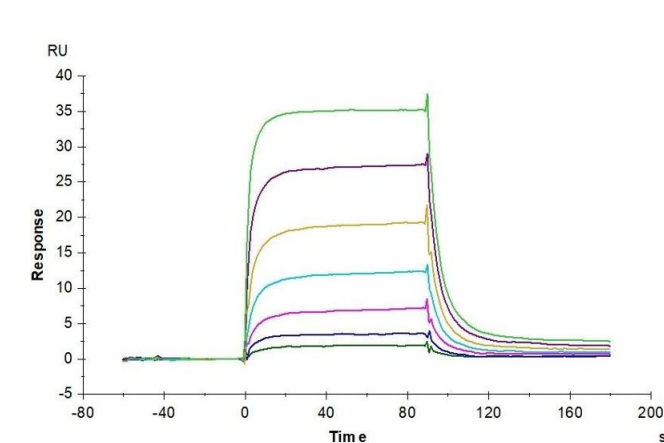
Application Details

Restrictions:	For Research Use only
---------------	-----------------------

Handling

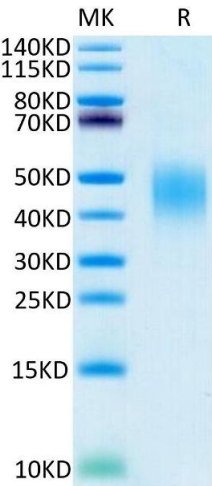
Format:	Lyophilized
Reconstitution:	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5 % trehalose is added as protectant before lyophilization.
Storage:	4 °C,-80 °C
Storage Comment:	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Expiry Date:	12 months

Images



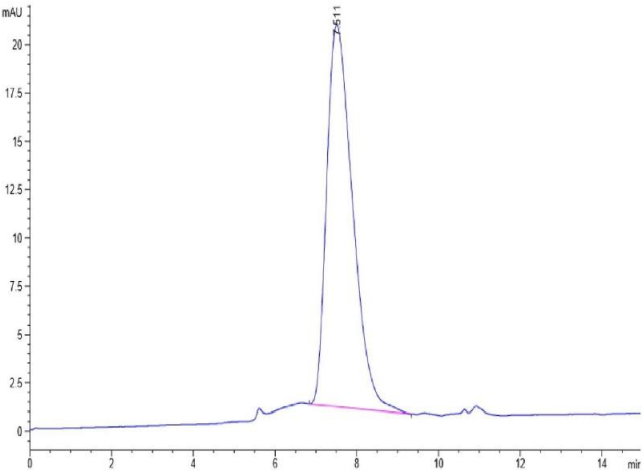
Surface Plasmon Resonance

Image 1. Human PD-1, hFc Tag captured on CM5 Chip via Protein A can bind Human PD-L2, His Tag with an affinity constant of 0.296 µM as determined in SPR assay (Biacore T200).



SDS-PAGE

Image 2. Human PD-L2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human PD-L2 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275432.