

Datasheet for ABIN7275433

PDCD1LG2 Protein (AA 20-220) (His-Avi Tag,Biotin)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	PDCD1LG2
Protein Characteristics:	AA 20-220
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PDCD1LG2 protein is labelled with His-Avi Tag,Biotin.

Product Details

Purpose:	Biotinylated Human PD-L2/B7-DC Protein
Sequence:	Leu20-Thr220
Characteristics:	Recombinant Biotinylated Human PD-L2/B7-DC Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains 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 0.344 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-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 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.

Application Details

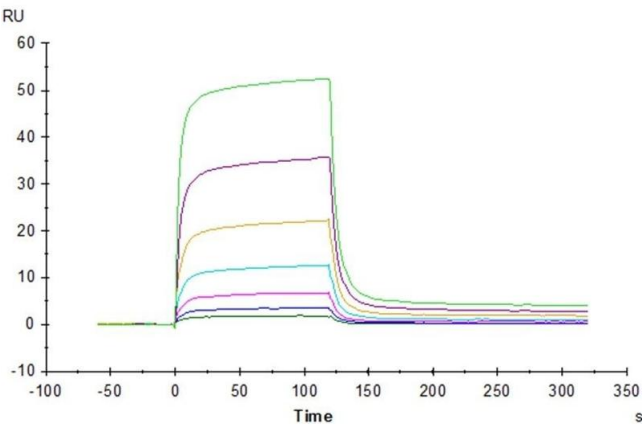
Restrictions:	For Research Use only
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Handling

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

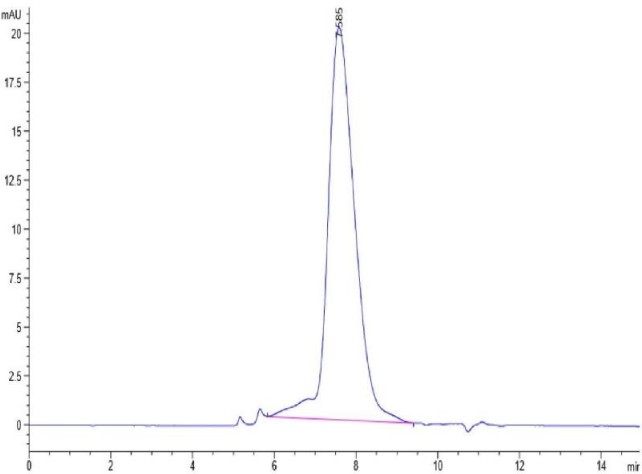
Surface Plasmon Resonance

Image 1. Human PD-1, hFc Tag captured on CM5 Chip via Protein A can bind Biotinylated Human PD-L2, His-Avi Tag with an affinity constant of 0.344 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Human PD-L2 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Human PD-L2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

