

Datasheet for ABIN7275423

PD-1 Protein (AA 25-167) (Fc Tag)**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PD-1 (PDCD1)
Protein Characteristics:	AA 25-167
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PD-1 protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse PD-1/PDCD1 Protein
Sequence:	Leu25-Gln167
Characteristics:	Recombinant Mouse PD-1/PDCD1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Leu25-Gln167.
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 0.15µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

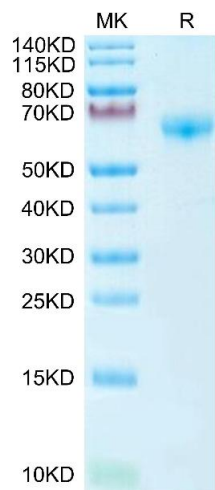
Target:	PD-1 (PDCD1)
Alternative Name:	PD-1 (PDCD1 Products)
Background:	Programmed cell death protein 1, also known as PD-1 and CD279 , is a protein found on the surface of cells that has a role in regulating the immune system's response to the cells of the human body by down-regulating the immune system and promoting self tolerance by suppressing T cell inflammatory activity.
Molecular Weight:	42.9 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
NCBI Accession:	NP_032824
Pathways:	Cancer Immune Checkpoints

Application Details

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

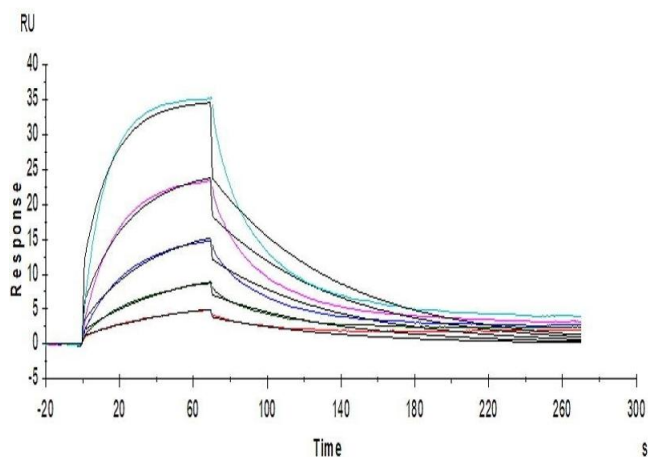
Handling

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



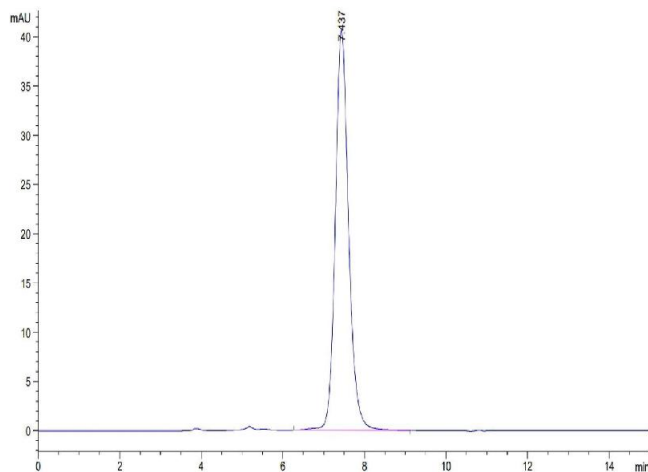
SDS-PAGE

Image 1. Mouse PD-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Surface Plasmon Resonance

Image 2. Mouse PD-L1, His Tag captured on CM5 Chip via Anti-His Antibody can bind Mouse PD-1 , hFc Tag with an affinity constant of 0.15 μ M as determined in SPR assay (Biacore T200).



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Mouse PD-1 is greater than 95 % as determined by SEC-HPLC.