

Datasheet for ABIN7275417

PD-1 Protein (AA 21-167) (Fc Tag)**4** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	PD-1 (PDCD1)
Protein Characteristics:	AA 21-167
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PD-1 protein is labelled with Fc Tag.

Product Details

Purpose:	Cynomolgus PD-1/PDCD1 Protein
Sequence:	Pro21-Gln167
Characteristics:	Recombinant Cynomolgus PD-1/PDCD1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Pro21-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:	Immobilized Cynomolgus PD-1, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-PD1 Antibody, hFc Tag with the EC50 of 16.8ng/ml determined by ELISA. The affinity constant of 1.28 µM 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:	42.4 kDa. Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.
UniProt:	B0LAJ3
Pathways:	Cancer Immune Checkpoints

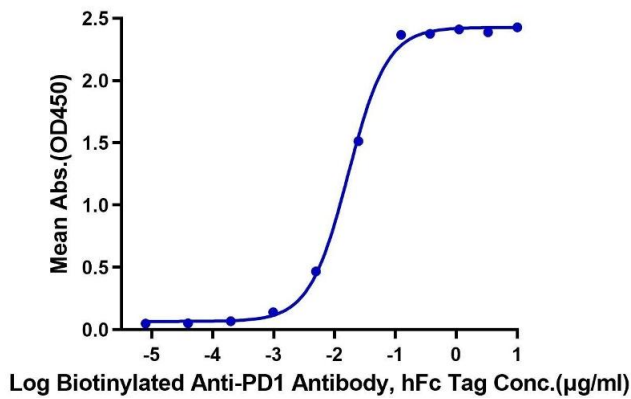
Application Details

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

Cynomolgus PD-1, hFc Tag ELISA
0.05µg Cynomolgus PD-1, hFc Tag Per Well

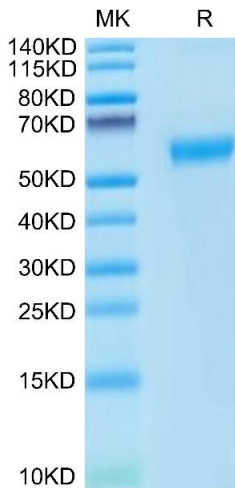
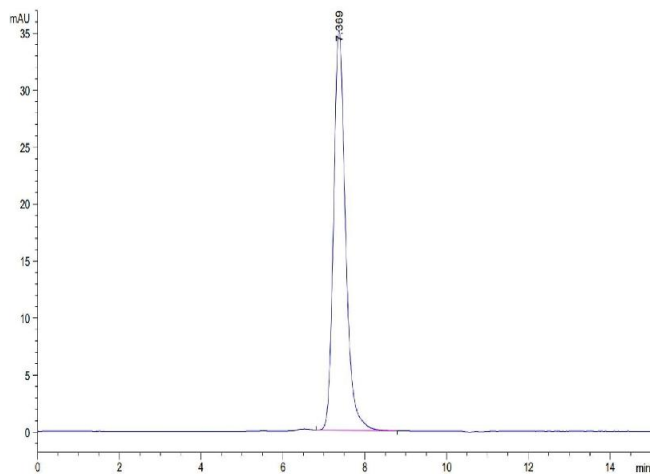


ELISA

Image 1. Immobilized Cynomolgus PD-1, hFc Tag at 0.5 µg/mL (100 µL/well) on the plate. Dose response curve for Biotinylated Anti-PD1 Antibody, hFc Tag with the EC50 of 16.8 ng/mL determined by ELISA.

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Cynomolgus PD-1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Cynomolgus PD-1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7275417.