Cynomolgus PD-1/PDCD1 Protein

Cat. No. PD1-CM101

Description

Source	Recombinant Cynomolgus PD-1/PDCD1 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Pro21-Gln167.
Accession	B0LAJ3
Molecular Weight	The protein has a predicted MW of 17.53 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

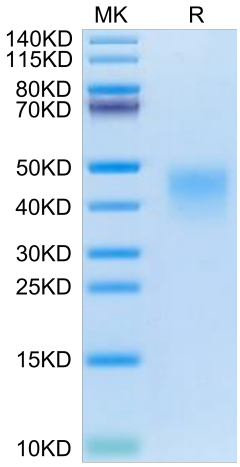
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-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.

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.

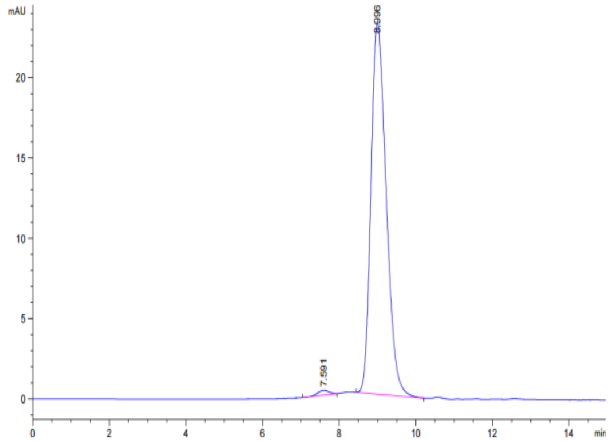
Assay Data

Tris-Bis PAGE



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

SEC-HPLC



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

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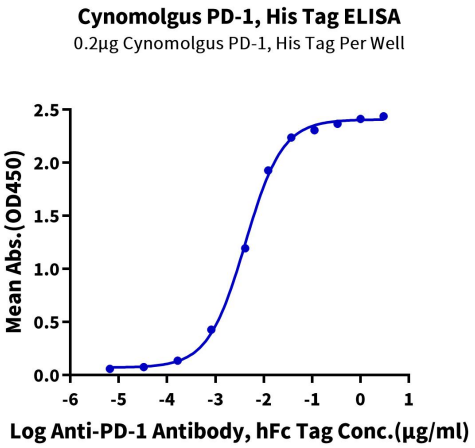
Assay Data

ELISA Data



Immobilized Cynomolgus PD-1, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Anti-PD-1 Antibody, hFc Tag with the EC50 of 4.1ng/ml determined by ELISA.