Datasheet for ABIN7275426

PD-L1 Protein (AA 19-238) (His tag,Biotin)

3 Images

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Overview

Quantity:	100 µg
Target:	PD-L1
Protein Characteristics:	AA 19-238
Origin:	Cynomolgus, Rhesus Monkey
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PD-L1 protein is labelled with His tag,Biotin.

Product Details

Purpose:	Biotinylated Cynomolgus/Rhesus macaque PD-L1/B7-H1 Protein (Primary Amine Labeling)
Sequence:	Phe19-Arg238
Characteristics:	Recombinant Biotinylated Cynomolgus/Rhesus macaque PD-L1/B7-H1 Protein (Primary Amine Labeling) is expressed from HEK293 with His tag at the C-Terminus.It contains Phe19-Arg238.
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 Biotinylated Cynomolgus PD-L1, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-PD-L1 Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA. See testing image for detail.

Target Details

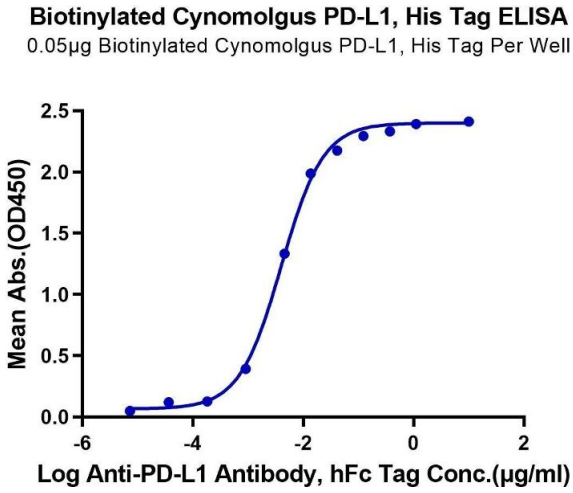
Target:	PD-L1
Alternative Name:	PD-L1 (PD-L1 Products)
Background:	B7-H1, also known as PD-L1 and CD274, is an approximately 65 kDa transmembrane glycoprotein in the B7 family of immune regulatory molecules. PD-L1 has been identified as the ligand for the immunoinhibitory receptor programmed death-1(PD1/PDCD1) and has been demonstrated to play a role in the regulation of immune responses and peripheral tolerance.
Molecular Weight:	26 kDa. Due to glycosylation, the protein migrates to 35-40 kDa based on Tris-Bis PAGE result.
UniProt:	G7PSE7
Pathways:	Cancer Immune Checkpoints

Application Details

Restrictions:	For Research Use only

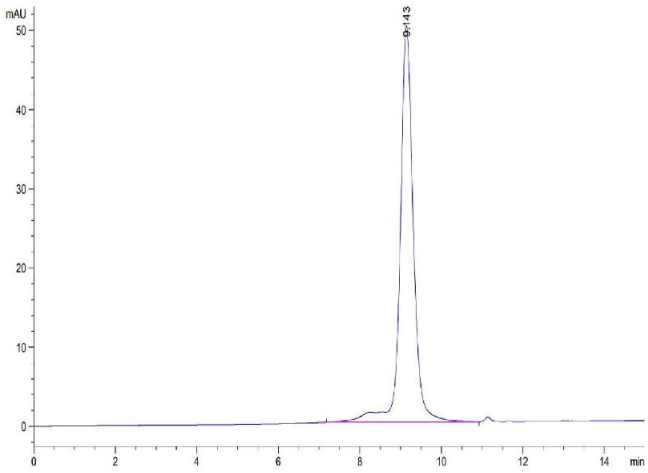
Handling

Format:	Liquid
Buffer:	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



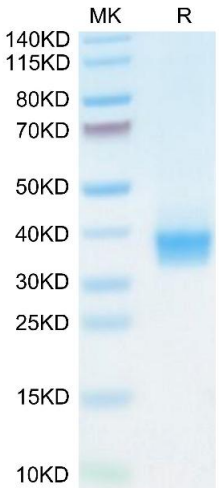
ELISA

Image 1. Immobilized Biotinylated Cynomolgus PD-L1, His Tag at 0.5 μg/mL (100 μL/Well) on the plate. Dose response curve for Anti-PD-L1 Antibody, hFc Tag with the EC50 of 4.0 ng/mL determined by ELISA.



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Biotinylated Cynomolgus PD-L1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 3. Biotinylated Cynomolgus PD-L1 on Tris-Bis PAGE under reduced conditions. The purity is greater than 95 % .