

## Rhesus PD-L1 (CD274) Protein (C-His)

<b>Catalog Number:</b>	812401, 812402
<b>Size:</b>	25 ug, 100 ug
<b>Target Name:</b>	PD-L1, CD274, B7-H1, PDCD1L1, PDCD1LG1
<b>Regulatory Status:</b>	RUO

### PRODUCT DETAILS

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<b>Application:</b>	ELISA, BLI
<b>Format:</b>	Liquid, Purified
<b>Expression Host:</b>	CHO
<b>Species:</b>	Rhesus monkey
<b>Sources:</b>	Recombinant Rhesus PD-L1 (Phe19-Arg238) with C-terminus His-tag is expressed in CHO cell.
<b>Accession Number:</b>	F6VEW6
<b>Molecular Weight:</b>	The protein has a predicted molecular weight of 26.8 kDa. Under DTT-reducing conditions, it migrates at approximately 30 kDa on SDS-PAGE.
<b>Affinity Tag:</b>	C-His
<b>Purity:</b>	>95% based on SDS-PAGE under reducing condition
<b>Formulation:</b>	1xPBS buffer, pH7.4, 0.22 µm filtered
<b>Endotoxin level:</b>	Not tested
<b>Protein Concentration:</b>	25µg size is bottled at 0.2mg/mL concentration. 100 µg size is supplied at a lot-specific concentration.
<b>Storage and Handling:</b>	Briefly centrifuge the vial upon receipt. An unopened vial can be stored at 4°C for up to 2 weeks, or at -20°C or below for up to six months. The protein may be further diluted to 0.1 mg/mL using 0.22 µm-filtered PBS buffer (pH 7.4). For long-term storage, the diluted stock solution should be aliquoted and stored at ≤ -70°C to minimize freeze-thaw cycles. If additional dilution is required, carrier proteins such as FBS or BSA should be added to maintain protein stability.

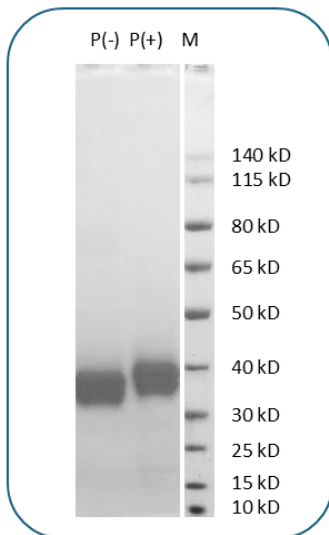
### BACKGROUND INFORMATION

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Programmed death-1 ligand-1 (PD-L1, CD274, B7-H1) is an immune regulatory protein that interacts with the PD-1 receptor, playing a critical role in controlling immune responses and maintaining peripheral tolerance. Part of the B7 family, PD-L1 contains one V-like and one C-like Ig domain in its extracellular region. By binding to PD-1 on activated T-cells and B-cells, PD-L1 inhibits T-cell activation, promoting apoptosis and cell-cycle arrest, which can suppress ongoing immune responses. This mechanism is implicated in immune evasion by tumors, as PD-L1 helps tumors escape detection by inducing apoptosis in antigen-specific T-cells, contributing to tumor growth. Due to its pivotal role in immune regulation, PD-L1 has emerged as a promising therapeutic target for treating autoimmune diseases and malignancies.

## PRODUCT DATA

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Rhesus PD-L1 (C-His) Protein on SDS-PAGE under non-reducing and reducing conditions. The gel was stained for 1 hour with BlinkBlue Protein Staining Buffer (Catalog 700102). The purity of this protein appears to be greater than 95%.

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