

# Recombinant Cynomolgus B7-H1/PD-L1/CD274 Protein

Catalog No.: RP02470 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102145573	G7PSE7

### Tags

C-His

### Synonyms

CD274 antigenMGC142294; CD274 molecule; CD274;PDL1; PD-L1; PD-L1B7 homolog 1;B7-H; B7H1; B7-H1; B7H1PDCD1L1;? PDCD1L1; PDCD1LG1; PDCD1LG1MGC142296;? PDL1PDCD1 ligand 1; programmed cell death 1 ligand 1; Programmed death ligand 1; PDL1

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
26 kDa	35-45 kDa

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

### Basic Information

#### Description

Recombinant Cynomolgus PD-L1 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Phe19-Arg238) of Cynomolgus PD-L1 fused with a His tag at the C-terminal.

#### Bio-Activity

#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

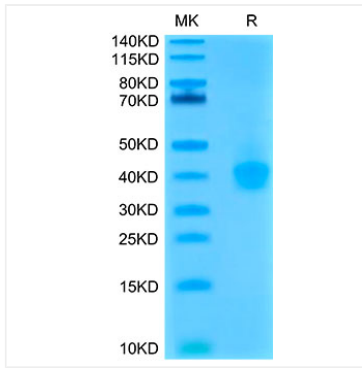
Avoid repeated freeze/thaw cycles.



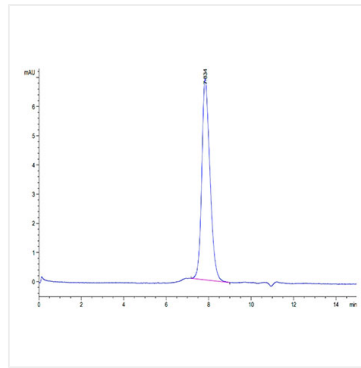
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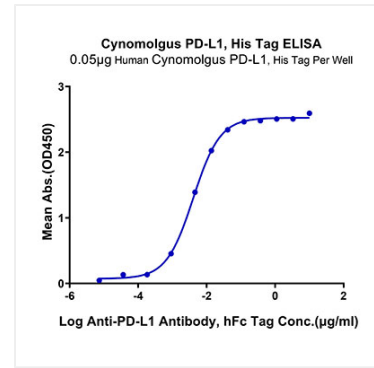
## Validation Data



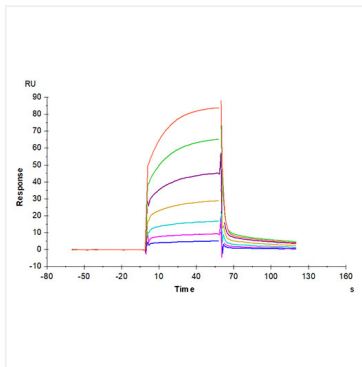
Cynomolgus PD-L1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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



Immobilized 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  $EC_{50}$  of 4.1ng/ml determined by ELISA.



Cynomolgus PD-L1, hFc Tag captured on CM5 Chip via Protein A can bind Cynomolgus PD-L1, His Tag with an affinity constant of 1.28 µM as determined in SPR assay (Biacore T200).