

# Biotinylated Recombinant Human B7-H1/PD-L1 /CD274 Protein

Catalog No.: RP00328B

## Sequence Information

|                   |                |
|-------------------|----------------|
| <b>Species</b>    | <b>Gene ID</b> |
| Human             | 29126          |
| <b>Swiss Prot</b> | <b>Tags</b>    |
| Q9NZQ7-1          | C-His&Avi      |

### Synonyms

CD274; PDL1; PD-L1; PD-L1B7 homolog 1; B7-H; B7H1; B7-H1; PDCD1L1; PDCD1LG1

## Product Information

|               |                                                                 |
|---------------|-----------------------------------------------------------------|
| <b>Source</b> | <b>Purification</b>                                             |
| HEK293 cells  | ≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC. |

### Calculated MW Observed MW

28.1 kDa 35-45 kDa

### Endotoxin

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

### Formulation

Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Reconstitution

Centrifuge the vial 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.

## 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.

## Basic Information

### Description

Biotinylated Recombinant Human PD-L1/B7-H1 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe19-Arg238) of Human PD-L1/B7-H1 (Accession #Q9NZQ7-1) fused with a C-His&Avi tag at the C-terminus.

### Activity

### Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -20°C

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

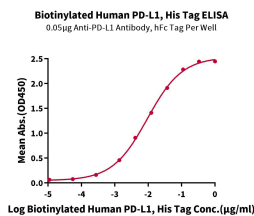
## Contact

☎ | 400-999-6126

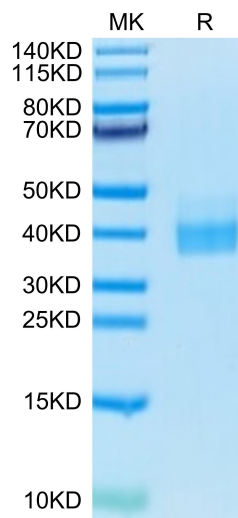
✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)

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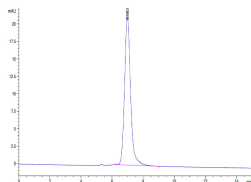
Validation Data



Immobilized Anti-PD-L1 Antibody, hFc Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Human PD-L1, His Tag with the EC<sub>50</sub> of 9.4ng /mL determined by ELISA.



Biotinylated Recombinant Human B7-H1/PD-L1/CD274 Protein was determined by Tris-Bis PAGE under reducing conditions.



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