

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

Catalog No.: RP00715 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	29126	Q9NZQ7

Tags

C-Fc

Synonyms

B7-H; B7H1; PDL1; PD-L1; hPD-L1;
PDCD1L1;
PDCD1LG1;CD274;PDL1;B7H1;PD-
L1;PDCD1L1;PDCD1LG1; B7-H; CD274
molecule

Product Information

Source	Purification
HEK293 cells	> 95% by SDS- PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered
solution of 20mM PB, 150mM NaCl,
pH7.4. Contact us for customized
product form or formulation.

Reconstitution

Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.

Background

CD274, also known as B7-H1 or programmed death ligand 1 (PD-L1), is a 40 kD type I transmembrane protein and a member of the B7 family within the immunoglobulin receptor superfamily. Programmed death-1 ligand-1 (PD-L1, CD274, B7-H1) 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. By binding to PD1 on activated T-cells and B-cells, PD-L1 may inhibit ongoing T-cell responses by inducing apoptosis and arresting cell-cycle progression. Accordingly, it leads to growth of immunogenic tumor growth by increasing apoptosis of antigen specific T cells and may contribute to immune evasion by cancers. PD-L1 thus is regarded as promising therapeutic target for human autoimmune disease and malignant cancers.

Basic Information

Description

Recombinant Human PD-L1/B7-H1/CD274 Protein is produced by Human cells expression system. The target protein is expressed with sequence (Phe19-Thr239) of human PD-L1/B7-H1/CD274 (Accession #Q9NZQ7) fused with an Fc tag at the C-terminus.

Bio-Activity

Measured by its binding ability in a functional ELISA. When Recombinant Human PD-L1/B7-H1/CD274 is immobilized at 0.025 μg/mL (100 μL/well), the concentration of Recombinant Human PD-1 that produces 50% of the optimal binding response is approximately 0.05-0.3 μg/mL.

Storage

Store the lyophilized protein at -20°C to -80 °C for long term.

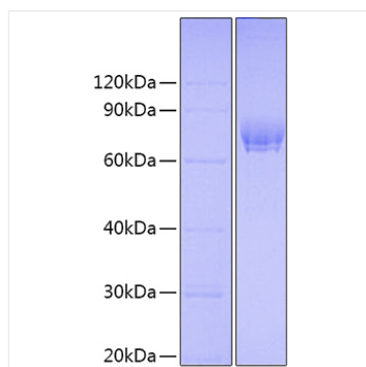
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant Human PD-L1/B7-H1/CD274
Protein was determined by SDS-PAGE
under reducing conditions with Coomassie
Blue.