

RP00582

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

Catalog No.: RP00582

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus	102145573	G7PSE7

Tags
C-6×His

Synonyms

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

Product Information

Source	Purification
HEK293 cells	> 90% by SDS-PAGE.

Endotoxin

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

Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, 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 Cynomolgus PD-L1/B7-H1/CD274 Protein is produced by Human Cells expression system. The target protein is expressed with sequence (Phe19-Thr239) of cynomolgus PD-L1/B7-H1/CD274 (Accession #G7PSE7) fused with a 6×His tag at the C-terminus.

Bio-Activity

Storage

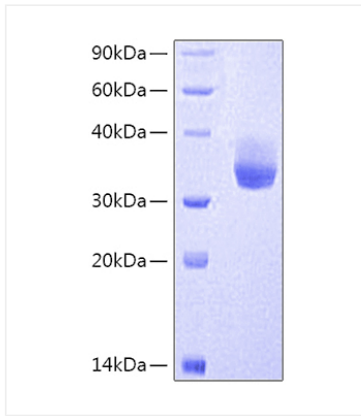
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



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