

Recombinant Human B7-DC/PD-L2/CD273 Protein

Catalog No.: RP00301 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	80380	Q9BQ51

Tags

C-His&Avi

Synonyms

PDL2; PD-L2; Butyrophilin B7-DC; CD273; PDCD1 ligand 2; PDCD1L2; PDCD1LG2; B7DC; bA574F11.2; Btdc

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
25.3 kDa	40-52 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

PD-1 ligand 2 (PD-L2) as a second ligand for PD-1 and compare the function and expression of PD-L1 and PD-L2. Engagement of PD-1 by PD-L2 dramatically inhibits T cell receptor (TCR)-mediated proliferation and cytokine production by CD4 T cells. At low antigen concentrations, PD-L2-PD-1 interactions inhibit strong B7-CD28 signals.

Basic Information

Description

Recombinant Human B7-DC/PD-L2/CD273 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu20-Thr220) of Human B7-DC/PD-L2/CD273 (Accession #Q9BQ51) fused with His and Avi tag at the C-terminus.

Bio-Activity

Storage

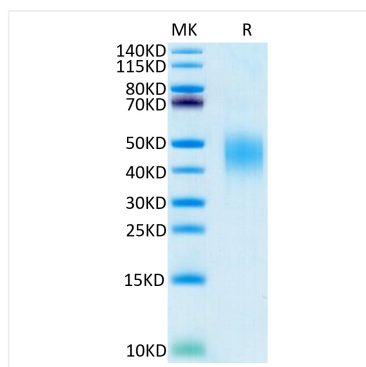
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact

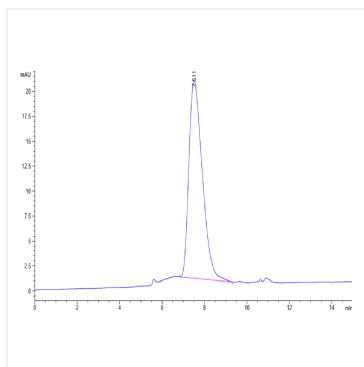
☎	400-999-6126
✉	cn.market@abclonal.com.cn



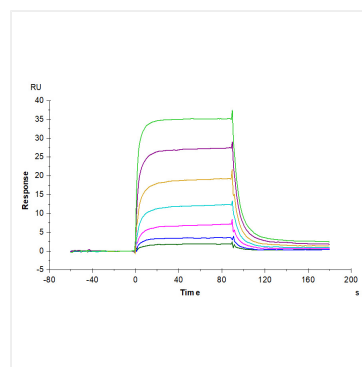
Validation Data



Recombinant Human B7-DC/PD-L2/CD273 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human PD-L2 is greater than 95% as determined by SEC-HPLC.



Human PD-1, hFc Tag captured on CM5 Chip via Protein A can bind Human PD-L2, His Tag with an affinity constant of 0.296 μM as determined in SPR assay (Biacore T200).