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

Catalog No.: RP00301

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Sequence Information

Species
Human

Gene ID
80380

Swiss Prot
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
HEK293 cells

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

Calculated MW
25.3 kDa

Observed MW
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 stablizer (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.

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℃

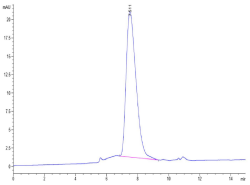
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

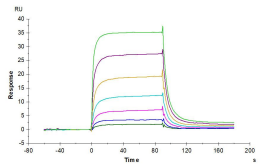
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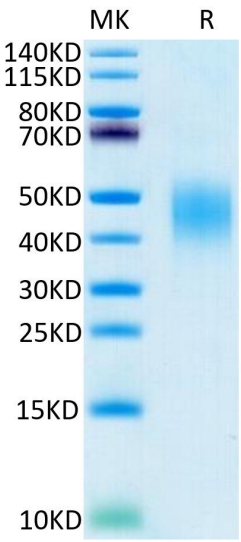
Validation Data



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).



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

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