

RP00301

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

Catalog No.: RP00301

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	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

HEK293 cells

Purification

> 95% by SDS-
PAGE ; > 95% by
HPLC

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.

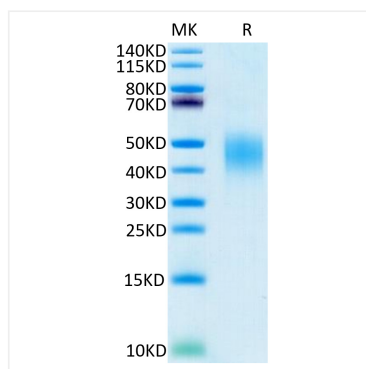
Contact



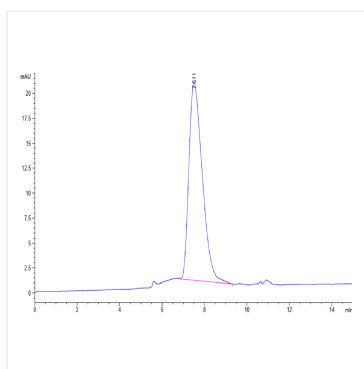
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* For your safety and health, please wear a lab coat and disposable gloves when handling.

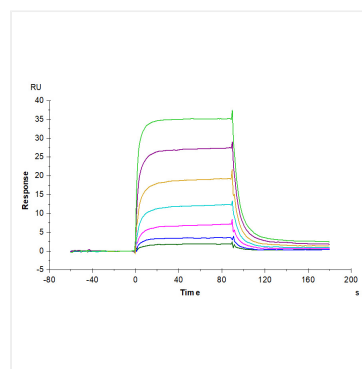
Validation Data



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).