



B7-H1/PD-L1

E21-315

Catalog Number:E21-315

Amount:10ug

Altername:Programmed Cell Death 1 Ligand 1; PD-L1; PDCD1 Ligand 1; Programmed Death Ligand 1; B7 Homolog 1; B7-H1; CD274; B7H1; PDCD1L1; PDCD1LG1; PDL1

Storage/Stability:Lyophilized protein should be stored at < -20°C. Aliquots of reconstituted samples are stable at -20°C for 1 year.

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.

Species:Human

Reconstitution:Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100 µg/ml.

Dissolve the lyophilized protein in ddH₂O.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin:Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

Purity:Greater than 95% as determined by reducing SDS-PAGE.

Description:Recombinant Human Programmed Cell Death 1 Ligand 1 is produced by our Mammalian expression system and the target gene encoding Phe19-Thr239 is expressed with a 6His tag at the C-terminus.

Product State:Lyophilized

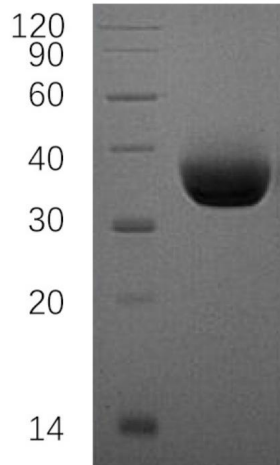
Ship Description:The product is shipped at ambient temperature.

Formulation:Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 5% Trehalose, pH 7.4.

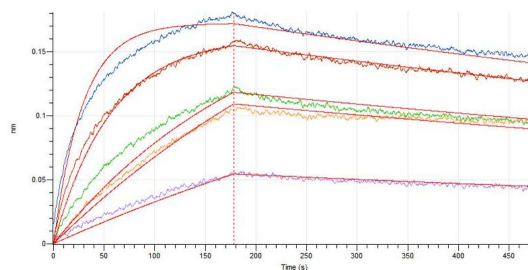
Expression system:Human cells

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kDa MK R



Greater than 95% as determined by reducing SDS-PAGE. (QC verified)



Loaded Anti-Human PDL1 mAb-Fc on Protein A Biosensor, can bind Human PD-L1-His with an affinity constant of 5.92 nM as determined in BLI assay. (Regularly tested)