Recombinant Human PD-L1/B7-H1/CD274 Protein (Fc & Avi Tag)

by Elabscience

Catalog Number: PKSH033796

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms 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

Species Human

Expression Host

Sequence

Phe19-Thr239

Accession

Q9NZQ7

Calculated Molecular Weight

Observed molecular weight

Tag

HEK293 Cells

Phe19-Thr239

Q9NZQ7

54.2 kDa

70-95 kDa

C-Fc-Avi

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

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

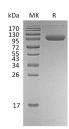
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed man

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

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

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for human autoimmune disease and malignant cancers.

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