

Recombinant Human PD-L1/B7-H1/CD274 Protein (mFc Tag)



Catalog Number: PKSH032871

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

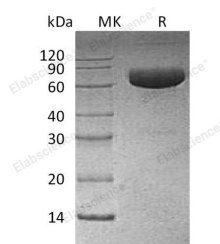
Description

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	HEK293 Cells
Sequence	Phe19-Thr 239
Accession	Q9NZQ7
Calculated Molecular Weight	50.9 kDa
Observed molecular weight	59-89 kDa
Tag	C-mFc

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 PBS, 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 manual.
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

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017

Recombinant Human PD-L1/B7-H1/CD274 Protein (mFc Tag)

Catalog Number:PKSH032871



for human autoimmune disease and malignant cancers.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Tel: 1-832-243-6086

Fax: 1-832-243-6017

Web: www.elabscience.com

Email: techsupport@elabscience.com