Recombinant Cynomolgus PD-L1/B7-H1/CD274 Protein (Fc Tag)

Catalog Number:PKSQ050046

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

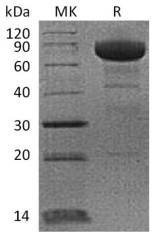
Description

Synonyms	B7-H;B7H1;B7-H1;B7H1PDCD1L1;CD274 antigenMGC142294;CD274 molecule;CD274;PDCD1L1;PDCD1LG1;PDL1;PD-L1;PD-L1B7 homolog 1;PDL1PDCD1 ligand 1;programmed cell death 1 ligand 1;Programmed death ligand 1
Species	Cynomolgus macaques
Expression Host	HEK293 Cells
Sequence	Phe19-Thr239
Accession	G7PSE7
Calculated Molecular Weight	52.4 kDa
Observed molecular weight	73 kDa
Tag	C-Fc

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℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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-

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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.

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