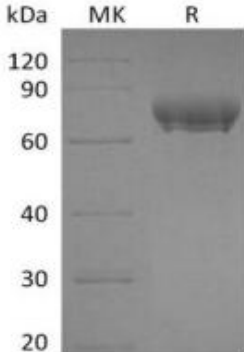


Recombinant Human PD-L1 (C-Fc)

Catalog#:AC13255 Derived from Human Cells

DESCRIPTION	<p>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 Fc tag at the C-terminus.</p> <p>Accession#:Q9NZQ7</p> <p>Known as: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</p>
FORMULATION	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
SHIPPING	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
STORAGE	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
RECONSTITUTION	<p><i>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</i></p> <p><i>It is not recommended to reconstitute to a concentration less than 100µg/ml.</i></p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
QUALITY CONTROL	<p>Mol Mass: 52.4kDa AP Mol Mass: 70-80 kDa, reducing conditions.</p> <p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test.</p>
BACKGROUND	<p>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.</p>
SDS-PAGE	 <p>The SDS-PAGE gel shows a molecular weight marker (MK) on the left with bands at 120, 90, 60, 40, 30, and 20 kDa. Lane R shows a single prominent band at approximately 70-80 kDa, consistent with the expected molecular weight of the recombinant protein.</p>