

## Product datasheet for **TP727427**

### PD-L1 (CD274) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human PD-L1/B7-H1/CD274 (C-Flag)
Species:	Human
Expression cDNA Clone or AA Sequence:	Phe19-Thr239
Tag:	C-Flag
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mM PB 150mM NaCl pH 7.4.
Note:	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 Flag tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	29126
UniProt ID:	<a href="#">Q9NZQ7</a>
Summary:	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.



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