10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PD-L1 /CD274, Human Recombinant

PD-L1, CD274, B7-H1, PDCD1L1, PDCD1LG1
Catalog # PBV11500r

Specification

PD-L1 /CD274, Human Recombinant - Product info

Primary Accession	Q9NZQ7
Calculated MW	**28.3 kDa KDa**

PD-L1 /CD274, Human Recombinant - Additional Info

Gene ID	**29126**

Other Names
PD-L1, CD274, B7-H1, PDCD1L1, PDCD1LG1

Gene Source	**Human**
Source	**E. coli**
Assay&Purity	**SDS-PAGE;≥80%**
Assay2&Purity2	**SEC;≥80%**
Recombinant	**Yes**

Target/Specificity
PD-L1 /CD274 /B7-H1

Application Notes
Centrifuge the vial prior to opening. Reconstitute in sterile PBS, pH 7.4 to a concentration of 50 µg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 month. For extended storage, it is recommended to store at -20°C.

Format
Lyophilized

Storage
-20°C;Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

PD-L1 /CD274, Human Recombinant - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PD-L1 /CD274, Human Recombinant - Images

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PD-L1 /CD274, Human Recombinant - Background

Programmed death 1 ligand 1 (PD-L1) also known as cluster of differentiation (CD274) or B7 homolog 1 (B7-H1), is a member of the growing B7 family of immune molecules and is involved in the regulation of cellular and humoral immune responses. B7-H1 is a cell surface immunoglobulin superfamily with two Ig-like domains within the extracellular region and a short cytoplasmic domain. PD-L1 is highly expressed in the heart, skeletal muscle, placenta and lung and weakly expressed in the thymus, spleen, kidney and liver. PD-L1 is expressed on activated T-cells, B-cells, dendritic cells, keratinocytes and monocytes. PD-L1 is up-regulated on T- and B-cells, dendritic cells, keratinocytes and monocytes after LPS and IFNG activation and up-regulated in B-cells activated by surface Ig cross-linking. PD-L1 is involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner.