

#### PD-L1 /CD274, Human Recombinant

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

# **Specification**

#### PD-L1 /CD274, Human Recombinant - Product info

Primary Accession O9NZQ7
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  $\mu$ g/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**

 $-20^{\circ}$ C;Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally Mannitol or Trehalose is added as protectants before lyophilization.

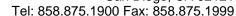
### PD-L1 /CD274, Human Recombinant - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# PD-L1 /CD274, Human Recombinant - Images







### 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.