

**Anti-B7 DC Picoband Antibody**  
Catalog # ABO11628**Specification****Anti-B7 DC Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">O9BQ51</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Programmed cell death 1 ligand 2(PDCD1LG2) detection. Tested with WB in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-B7 DC Picoband Antibody - Additional Information**

**Gene ID** 80380

**Other Names**

Programmed cell death 1 ligand 2, PD-1 ligand 2, PD-L2, PDCD1 ligand 2, Programmed death ligand 2, Butyrophilin B7-DC, B7-DC, CD273, PDCD1LG2, B7DC, CD273, PDCD1L2, PDL2

**Calculated MW**

30957 MW KDa

**Application Details**

Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Isoform 3: Secreted .

**Tissue Specificity**

Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus. .

**Protein Name**

Programmed cell death 1 ligand 2

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Na<sub>3</sub>N.

**Immunogen**

E.coli-derived human B7 DC recombinant protein (Position: L20-T220). Human B7 DC shares 72.1% amino acid (aa) sequence identity with mouse B7 DC.

### Purification

Immunogen affinity purified.

### Cross Reactivity

No cross reactivity with other proteins

### Storage

**At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.**

## Anti-B7 DC Picoband Antibody - Protein Information

**Name** PDCD1LG2

**Synonyms** B7DC, CD273, PDCD1L2, PDL2

### Function

Involved in the costimulatory signal, essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production (By similarity).

### Cellular Location

[Isoform 3]: Secreted [Isoform 1]: Cell membrane; Single-pass type I membrane protein {ECO:0000250|UniProtKB:Q9WUL5, ECO:0000305|PubMed:15340161}

### Tissue Location

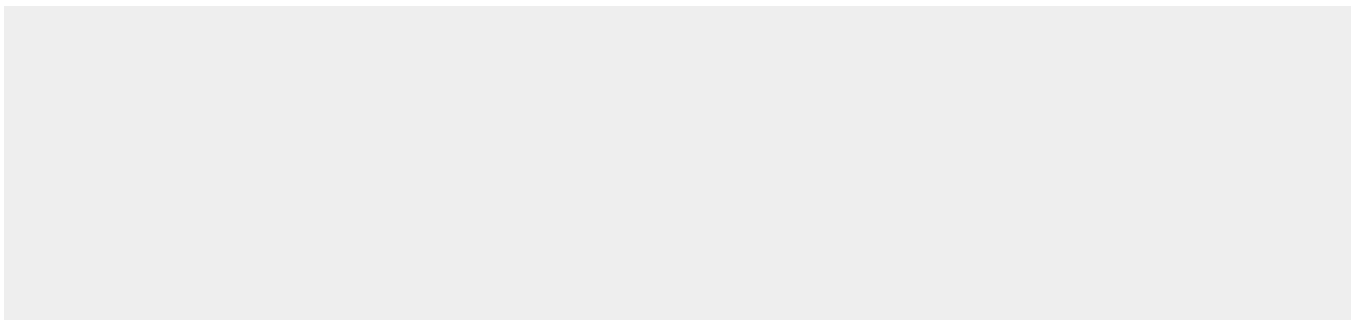
Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus

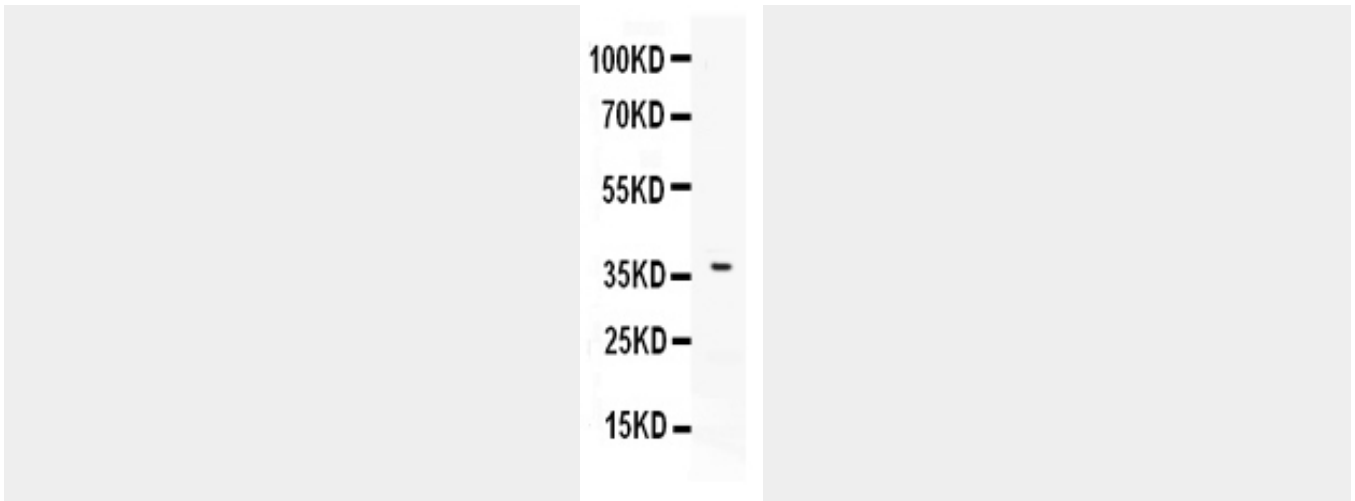
## Anti-B7 DC Picoband Antibody - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-B7 DC Picoband Antibody - Images





Western blot analysis of B7 DC expression in HELA whole cell lysates (lane 1). B7 DC at 37KD was detected using rabbit anti- B7 DC Antigen Affinity purified polyclonal antibody (Catalog # ABO11628) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .

#### **Anti-B7 DC Picoband Antibody - Background**

Programmed cell death 1 ligand 2 (also known as PD-L2, B7-DC) is a protein that in humans is encoded by the PDCD1LG2 gene. It is mapped to chromosome 9p24.2. PD-L2 is one of two ligands for programmed death-1 (PD-1), a member of the CD28 family of immuno-receptors. Northern blot analysis detect wide expression of PDL2, with highest levels in placenta, heart, pancreas, lung, and liver, and lower levels in spleen, lymph nodes, and thymus. PDL2 negatively regulates T cells and plays an essential role in immune tolerance.