

Anti-B7 DC Picoband Antibody

Catalog # ABO11628

Product Information

Application	WB
Primary Accession	Q9BQ51
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.

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
Application Details	Western blot, 0.1-0.5 µg/ml, Human
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. .
Source	Eukaryota
Protein Name	Programmed cell death 1 ligand 2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.

Protein Information

Name	PDCD1LG2
Synonyms	B7DC, CD273, PDCD1L2, PDL2
Function	Plays a critical role in induction and maintenance of immune tolerance to self (PubMed: 11224527 , PubMed: 12538684). Acts as a ligand for the inhibitory receptor PDCD1/PD-1, inhibiting T-cell proliferation by blocking cell cycle progression and cytokine production (PubMed: 11224527).
Cellular Location	[Isoform 3]: Secreted [Isoform 1]: Cell membrane; Single-pass type I membrane protein
Tissue Location	Highly expressed in heart, placenta, pancreas, lung and liver and weakly expressed in spleen, lymph nodes and thymus

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.

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 .

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