

PD-L1 Antibody

Rabbit Monoclonal Antibody (Mab) Catalog # AD80167

Specification

PD-L1 Antibody - Product info

Application Primary Accession Reactivity Host Clonality IHC <u>O9NZO7</u> Human Rabbit Monoclonal

PD-L1 Antibody - Additional info

Gene ID29126Gene NameCD274 (HGNC:17635)Other NamesProgrammed cell death 1 ligand 1, PD-L1, PDCD1 ligand 1, Programmed death ligand 1, B7homolog 1, B7-H1, CD274, CD274 (<a</td>href="http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=17635"target="_blank">HGNC:17635)

Dilution IHC~~Ready-to-use

Storage Maintain refrigerated at 2-8°C

Precautions

PD-L1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PD-L1 Antibody - Protein Information

Name CD274 (<u>HGNC:17635</u>)

Function

Plays a critical role in induction and maintenance of immune tolerance to self. As a ligand for the inhibitory receptor PDCD1/CD279, modulates the activation threshold of T-cells and limits T-cell effector response (PubMed:<u>11015443</u>). The PDCD1/CD279-mediated inhibitory pathway is exploited by tumors to attenuate anti-tumor immunity and facilitate tumor survival (PubMed:<u>28813417</u>, PubMed:<u>28813410</u>). Through a yet unknown activating receptor, may costimulate T-cell subsets that predominantly produce



Cellular Location

Tissue Location

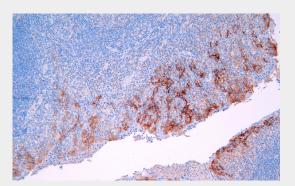
interleukin-10 (IL10) (PubMed: 10581077). Cell membrane; Single-pass type I membrane protein. Early endosome membrane; Single-pass type I membrane protein. Recycling endosome membrane; Single-pass type I membrane protein. Note=Associates with CMTM6 at recvcling endosomes, where it is protected from being targeted for lysosomal degradation. Isoform 2: Endomembrane system; Single-pass type I membrane protein Highly expressed in the heart, skeletal muscle, placenta and lung. Weakly expressed in the thymus, spleen, kidney and liver. Expressed on activated T- and B-cells, dendritic cells, keratinocytes and monocytes.

PD-L1 Antibody - Protocols

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

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

PD-L1 Antibody - Images



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using AD80167 performed on the Abcarta® FAIP-30 Fully automated IHC platform.Tissue was fixed with formaldehyde at room temperature, antigen retrieval was by heat mediation with a EDTA buffer (pH9. 0). Samples were incubated with primary antibody(Ready-to-use) for 15 min at room temperature. AmpSeeTM Detection Systems[Abcepta:AR005] was used as the secondary antibody.