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PD-L1
Rabbit Monoclonal Antibody (Mab)
Catalog # APA168

Specification

PD-L1 - Product Information

Application	**IHC**
Primary Accession	Q9NZQ7
Host	**Rabbit**
Clonality	**Monoclonal**
Calculated MW	**33275 Da**

PD-L1 - Additional Information

Gene ID	**29126**
Gene Name	**CD274 (HGNC:17635)**

Other Names
Programmed cell death 1 ligand 1, PD-L1, PDCD1 ligand 1, Programmed death ligand 1, hPD-L1, B7 homolog 1, B7-H1, CD274, CD274 (HGNC:17635)

Dilution
IHC~~1:100~500

Storage	**Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.**
Precautions	**PD-L1 is for research use only and not for use in diagnostic or therapeutic procedures.**

PD-L1 - Protein Information

Name CD274 (HGNC:17635)

Function	**Plays a critical role in induction and maintenance of immune tolerance to self (PubMed:11015443, PubMed:28813417, PubMed:28813410). As a ligand for the inhibitory receptor PDCD1/PD-1, modulates the activation threshold of T-cells and limits T-cell effector response (PubMed:11015443, PubMed:28813417, PubMed:28813410). Through a yet unknown activating receptor, may costimulate T-cell subsets that predominantly produce interleukin-10 (IL10) (PubMed:10581077).**

Cellular Location	**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 recycling endosomes, where it is protected from being targeted for lysosomal degradation. [Isoform 2]: Endomembrane system; Single-pass type I membrane protein**
Tissue Location	**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 - 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 - Images