

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

Specification

PD-L1 - Product Information

Application	IHC
Primary Accession	O9NZQ7
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](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=17635))

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

Tissue Location

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 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 Cytometry](#)
- [Cell Culture](#)

PD-L1 - Images