

**PD-L1 Rabbit mAb**  
Catalog # AP78675**Specification**

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**PD-L1 Rabbit mAb - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">O9NZQ7</a>
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	33275

**PD-L1 Rabbit mAb - Additional Information**

Gene ID 29126

**Other Names**  
CD274**Dilution**  
WB~~1/500-1/1000  
IHC~~1/100-1/200**Format**  
Liquid**PD-L1 Rabbit mAb - Protein Information****Name** CD274 ([HGNC:17635](#))**Function**

Plays a critical role in induction and maintenance of immune tolerance to self (PubMed: <a href="http://www.uniprot.org/citations/11015443" target="\_blank">11015443</a>, PubMed: <a href="http://www.uniprot.org/citations/28813410" target="\_blank">28813410</a>, PubMed: <a href="http://www.uniprot.org/citations/28813417" target="\_blank">28813417</a>, PubMed: <a href="http://www.uniprot.org/citations/31399419" target="\_blank">31399419</a>). As a ligand for the inhibitory receptor PDCD1/PD-1, modulates the activation threshold of T-cells and limits T-cell effector response (PubMed: <a href="http://www.uniprot.org/citations/11015443" target="\_blank">11015443</a>, PubMed: <a href="http://www.uniprot.org/citations/28813410" target="\_blank">28813410</a>, PubMed: <a href="http://www.uniprot.org/citations/28813417" target="\_blank">28813417</a>, PubMed: <a href="http://www.uniprot.org/citations/36727298" target="\_blank">36727298</a>). Through a yet unknown activating receptor, may costimulate T-cell subsets that predominantly produce interleukin-10 (IL10) (PubMed: <a href="http://www.uniprot.org/citations/10581077" target="\_blank">10581077</a>). Can also act as a transcription coactivator: in response to hypoxia, translocates into the nucleus via its interaction with phosphorylated STAT3 and promotes transcription of GSDMC, leading to pyroptosis (PubMed: <a href="http://www.uniprot.org/citations/32929201" target="\_blank">32929201</a>).

### 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. Nucleus. Note=Associates with CMTM6 at recycling endosomes, where it is protected from being targeted for lysosomal degradation (PubMed:28813417). Translocates to the nucleus in response to hypoxia via its interaction with phosphorylated STAT3 (PubMed:32929201). [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 Rabbit mAb - 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 Rabbit mAb - Images



