

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

## Specification

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### PD-L1 - Product Information

|                   |                        |
|-------------------|------------------------|
| Application       | IHC                    |
| Primary Accession | <a href="#">O9NZQ7</a> |
| Host              | Rabbit                 |
| Clonality         | Monoclonal             |
| Calculated MW     | 33275 Da               |

### PD-L1 - Additional Information

|           |                                      |
|-----------|--------------------------------------|
| Gene ID   | 29126                                |
| Gene Name | CD274 ( <a href="#">HGNC:17635</a> ) |

#### 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: <a href="#">11015443</a> , PubMed: <a href="#">28813417</a> , PubMed: <a href="#">28813410</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="#">11015443</a> , PubMed: <a href="#">28813417</a> , PubMed: <a href="#">28813410</a> ). Through a yet unknown activating receptor, may costimulate T-cell subsets that predominantly produce interleukin-10 (IL10) (PubMed: <a href="#">10581077</a> ). |
| 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**