

**Recombinant PD-L1 antibody [AN53]  
Catalog # AP80101**

**Specification**

**Recombinant PD-L1 antibody [AN53] - Product Information**

Application	IHC-P
Primary Accession	<a href="#">O9NZQ7</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	33275 Da

**Recombinant PD-L1 antibody [AN53] - Additional Information**

**Gene ID** 29126

**Target/Specificity**

Recombinant anti-PD-L1 monoclonal antibody recognizes endogenous levels of total PD-L1 protein.

**Format**

Purified recombination monoclonal antibody supplied in PBS with 0.05% (W/V) Proclin300, and 0.05% BSA. This antibody is purified through a protein A column.

**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**

Recombinant PD-L1 antibody [AN53] is for research use only and not for use in diagnostic or therapeutic procedures.

**Recombinant PD-L1 antibody [AN53] - Protein Information**

**Name** CD274 ([HGNC:17635](#))

**Function** Plays a critical role in induction and maintenance of immune tolerance to self (PubMed:[11015443](#), PubMed:[28813410](#), PubMed:[28813417](#), PubMed:[31399419](#)). 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:[28813410](#), PubMed:[28813417](#)). Through a yet unknown activating receptor, may costimulate T-cell subsets that predominantly produce interleukin-10 (IL10) (PubMed:[10581077](#)). 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:[32929201](#)).

**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.

**Recombinant PD-L1 antibody [AN53] - 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](#)

**Recombinant PD-L1 antibody [AN53] - Images**