

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

Specification

Recombinant PD-L1 antibody [AN53] - Product Information

Application	IHC-P
Primary Accession	O9NZQ7
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](#), PubMed:[36727298](#)). 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