

Goat anti-CD274 / PD-L1, Biotinylated Antibody
Peptide-affinity purified goat antibody
Catalog # AF4445a**Specification**

Goat anti-CD274 / PD-L1, Biotinylated Antibody - Product Information

Application	WB, Pep-ELISA
Primary Accession	O9NZQ7
Other Accession	NP_054862.1 , NP_001254635.1
Reactivity	Human
Host	Goat
Clonality	Polyclonal
Calculated MW	33275

Goat anti-CD274 / PD-L1, Biotinylated Antibody - Additional Information**Gene ID** 29126**Other Names**

CD274; CD274 molecule; B7-H; B7H1; PD-L1; PDCD1L1; PDCD1LG1; PDL1; B7 homolog 1; CD274 antigen; PDCD1 ligand 1

DilutionWB~~1:1000
Pep-ELISA~~N/A**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

This antibody is expected to recognize reported isoforms a and b (NP_054862.1; NP_001254635.1) only.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat anti-CD274 / PD-L1, Biotinylated Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat anti-CD274 / PD-L1, Biotinylated Antibody - 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.

Goat anti-CD274 / PD-L1, Biotinylated Antibody - 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](#)

Goat anti-CD274 / PD-L1, Biotinylated Antibody - Images