

**Product Name: PD-L1 (CD274) (5R18) Rabbit
Monoclonal Antibody
Catalog #: AMRe15922**

Summary

Production Name	PD-L1 (CD274) (5R18) Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Immunogen

Gene Name	CD274
Alternative Names	B7-H; B7H1; PD-L1; PDCD1L1; PDCD1LG1; PDL1; CD274;
Gene ID	29126.0
SwissProt ID	Q9NZQ7.

Application

Dilution Ratio	WB 1:100-1:500
Molecular Weight	33kDa

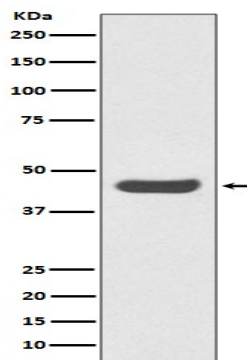
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Background

Programmed cell death ligand 1 (CD274, or B7-H1, PD-L1), is the first member of B7 family to be discovered. B7 family molecules are type I transmembrane proteins belonging to the immunoglobulin superfamily. In concert with their CD28 family receptors, the B7s are key regulators of the adaptive immune response. CD274 is suggested a negative regulator of T and B cell, and play important role in mediating tolerance of lymphocytes to self-antigens. Plays a critical role in induction and maintenance of immune tolerance to self (PubMed: [11015443](http://www.uniprot.org/citations/11015443) target="_blank">11015443, PubMed: [28813417](http://www.uniprot.org/citations/28813417) target="_blank">28813417, PubMed: [28813410](http://www.uniprot.org/citations/28813410) target="_blank">28813410). 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](http://www.uniprot.org/citations/11015443) target="_blank">11015443, PubMed: [28813417](http://www.uniprot.org/citations/28813417) target="_blank">28813417, PubMed: [28813410](http://www.uniprot.org/citations/28813410) target="_blank">28813410). Through a yet unknown activating receptor, may costimulate T-cell subsets that predominantly produce interleukin-10 (IL10) (PubMed: [10581077](http://www.uniprot.org/citations/10581077) target="_blank">10581077).

Research Area

Image Data



Western blot analysis of PD-L1 (CD274) expression in Ramos cell lysate.

Note

For research use only.