

# PD-L1/CD274 Rabbit mAb

Catalog No.: A26086

Recombinant

3 Publications

## Basic Information

### Observed MW

40-50 kDa

### Calculated MW

33 kDa

### Category

Primary antibody

### Applications

WB,IF/ICC,ELISA,Inhibition

### Cross-Reactivity

Human

### CloneNo number

ARC5146-01

## Background

This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
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<b>IF/ICC</b>	1:50 - 1:200
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<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
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## Immunogen Information

### Gene ID

29126

### Swiss Prot

Q9NZQ7

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

B7-H; B7H1; PDL1; PD-L1; hPD-L1; PDCD1L1; PDCD1LG1

## Contact

		400-999-6126
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		cn.market@abclonal.com.cn
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		www.abclonal.com.cn
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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

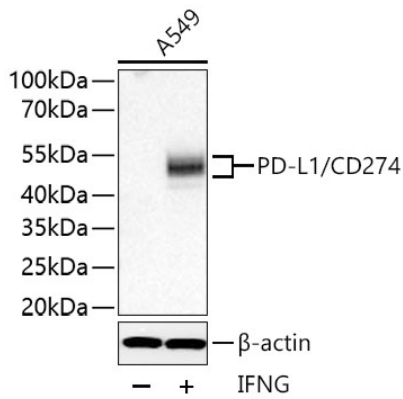
Affinity purification

### Storage

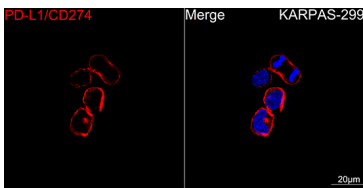
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

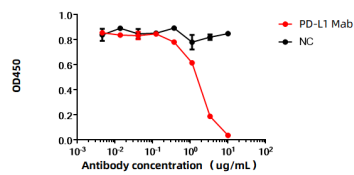
## Validation Data



Western blot analysis of lysates from A549 cells using PD-L1/CD274 Rabbit mAb (A26086) at 1:1000 dilution incubated overnight at 4°C. A549 cells were treated with IFNG (100 ng/mL) at 37°C for 48 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 30  $\mu$ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90 s.



Confocal imaging of KARPAS-299 cells using PD-L1/CD274 Rabbit mAb (A26086, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.



1 $\mu$ g/mL of biotinylated PD-L1/CD274 protein was incubated with PD-L1/CD274 Rabbit mAb (A26086) or control mAb with serial dilution for 1 hour at RT. The mixture was added to ELISA plate coated with 1  $\mu$ g/mL of recombinant expressed PD-1. HRP-Streptavidin was used for biotinylated PD-L1/CD274 detection.