

# PE Rabbit anti-Mouse PD-L1/CD274 mAb

Catalog No.: A26505

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

32kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC61951

### Conjugate

PE. Ex:565nm. Em:574nm.

## Recommended Dilutions

**FC** 5  $\mu$ l per  $10^6$  cells in  
100  $\mu$ l volume

## Background

The protein encoded by this gene is 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. Mice deficient for this gene display a variety of phenotypes including decreased allogeneic fetal survival rates and severe experimental autoimmune encephalomyelitis.

## Immunogen Information

### Gene ID

60533

### Swiss Prot

Q9EP73

### Immunogen

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

### Synonyms

B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

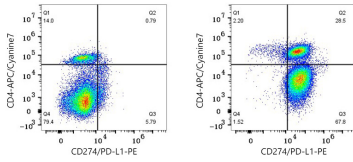
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

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Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes (untreated, left) and C57BL/6 mouse splenocytes treated with  $2 \mu\text{g/ml}$  Mouse T Cell Activation Kit (Anti-CD3/CD28) for 3 days (RK40101, right) were surface-stained with APC/Cyanine7 anti-mouse CD4 Antibody ( $5 \mu\text{l/Test}$ ) and PE Rabbit anti-Mouse CD274/PD-L1 mAb (A26505,  $5 \mu\text{l/Test}$ ).