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# ABflo® 488 Rabbit anti-Mouse CD274/PD-L1 mAb

Catalog No.: A24568

## **Basic Information**

#### **Observed MW**

## **Calculated MW**

32kDa

# Category

Primary antibody

# **Applications**

FC

# **Cross-Reactivity**

Mouse

### CloneNo number

ARC61951

# Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

# **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.

# **Recommended Dilutions**

FC

5 μl per 10^6 cells in 100 μl volume

# 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**

| 2         |   | 400-999-6126              |
|-----------|---|---------------------------|
| $\bowtie$ | Τ | cn.market@abclonal.com.cn |
| •         | Т | www.abclonal.com.cn       |

## **Product Information**

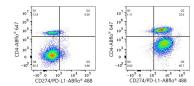
SourceIsotypePurificationRabbitIgGAffinity purification

#### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

# **Validation Data**



Flow cytometry:  $1\times10^6$  C57BL/6 mouse splenocytes (untreated,left) and C57BL/6 mouse splenocytes treated with  $2\mu$ g/ml Mouse T Cell Activation Kit (Anti-CD3/CD28) for 3days (RK40101,right) were surface-stained with ABflo® 647 Rabbit anti-Mouse CD4 mAb (A24721,5  $\mu$ l/Test) and ABflo® 488 Rabbit anti-Mouse CD274/PD-L1 mAb (A24568,5  $\mu$ l/Test).