

# ABflo® 450 Rabbit anti-Mouse CD274/PD-L1 mAb

Catalog No.: A25879

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

32kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ARC61951

### Conjugate

ABflo® 450. Ex:406nm. Em:445nm.

## Recommended Dilutions

FC 5 µl per 10<sup>6</sup> cells in  
100 µl 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

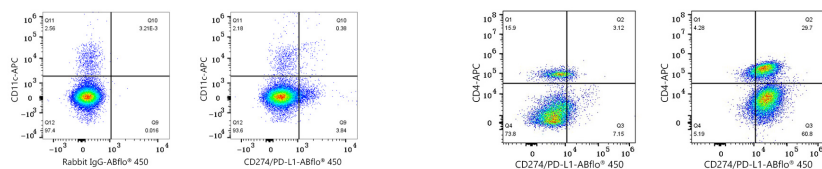
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes were surface-stained with APC Armenian Hamster anti-Mouse CD11c mAb (5  $\mu$ l/Test) and ABflo® 450 Rabbit anti-Mouse CD274/PD-L1 mAb (A25879, 5  $\mu$ l/Test, right) or ABflo® 450 Rabbit IgG isotype control (5  $\mu$ l/Test, left).

Flow cytometry:  $1 \times 10^6$  C57BL/6 mouse splenocytes (untreated, left) and C57BL/6 mouse splenocytes treated with 2ug/ml Mouse T Cell Activation Kit (Anti-CD3/CD28) for 3 days (RK40101, right) were surface-stained with APC Rabbit anti-Mouse CD4 mAb (A25934, 5  $\mu$ l/Test) and ABflo® 450 Rabbit anti-Mouse CD274/PD-L1 mAb (A25879, 5  $\mu$ l/Test, right).