

# ABflo® 647 Rabbit anti-Human PD-L1/CD274 mAb

**Catalog No.: A22305**

## Basic Information

**Observed MW**

Refer to figures

**Calculated MW**

33kDa

**Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Human

**CloneNo number**

ARC5128-01

**Conjugate**

ABflo® 647. Ex:648nm. Em:664nm.

## Recommended Dilutions

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

## 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.

## 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

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

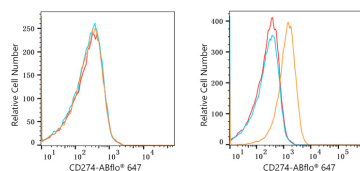
Affinity purification

**Storage**

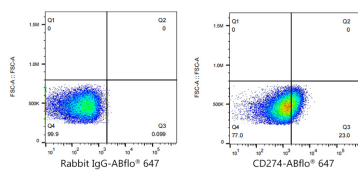
Store at 2-8°C. Avoid freeze.

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

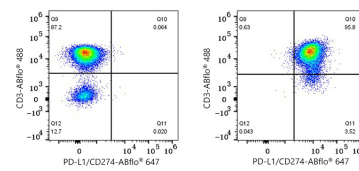
## Validation Data



Flow cytometry:  $1 \times 10^6$  K-562 cells (negative control, left) and MDA-MB-231 cells (right) were surface-stained with ABflo® 647 Rabbit anti-Human PD-L1/CD274 mAb (A22305, 2  $\mu\text{g}/\text{mL}$ , orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 2  $\mu\text{g}/\text{mL}$ , blue line). Non-fluorescently stained cells was used as blank control (red line).



Flow cytometry:  $1 \times 10^6$  MDA-MB-231 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu\text{l}/\text{Test}$ , left) or ABflo® 647 Rabbit anti-Human PD-L1/CD274 mAb (A22305, 5  $\mu\text{l}/\text{Test}$ , right).



Flow cytometry:  $1 \times 10^6$  Human PBMC (untreated, left) and Human PBMC (treated with 5  $\mu\text{g}/\text{mL}$  PHA for 72 hours, right) were surface-stained with ABflo® 488 Rabbit anti-Human/Monkey CD3 mAb (A26283, 5  $\mu\text{l}/\text{Test}$ ) and ABflo® 647 Rabbit anti-Human PD-L1/CD274 mAb (A22305, 5  $\mu\text{l}/\text{Test}$ ). Cells in the lymphocyte gate were used for analysis.