

A22305

Leader in Biomolecular Solutions for Life Science



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

Catalog No.: A22305

### Basic Information

#### Observed MW

Refer to figures

#### Calculated MW

33kDa

#### Category

SMab Recombinant Monoclonal Antibody

#### Applications

FC

#### Cross-Reactivity

Human

#### CloneNo number

ARC5128-01-ABf647

#### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

### 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

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

### Immunogen Information

#### Gene ID

29126

#### Swiss Prot

Q9NZQ7

#### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-290 of human PD-L1/CD274 (Q9NZQ7)

#### Synonyms

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

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

#### Source

Rabbit

#### Isotype

IgG

#### Purification

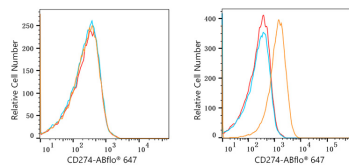
Affinity purification

#### Storage

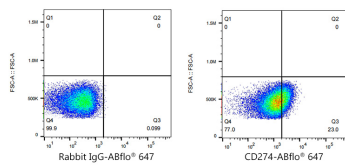
Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300, 0.2% BSA, pH7.3.

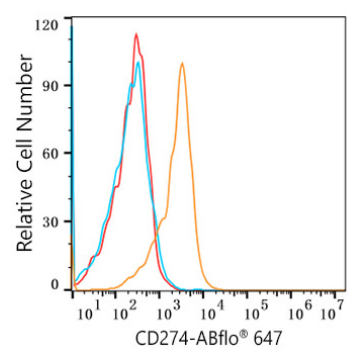
## Validation Data



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 were 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 were surface-stained with ABflo® 647 Rabbit anti-Human PD-L1/CD274 mAb (A22305, 5  $\mu\text{l}/\text{Test}$ , orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5  $\mu\text{l}/\text{Test}$ , blue line). Non-fluorescently stained Human PBMC was used as blank control (red line).