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ABflo® 488 Rabbit anti-Human PD-L1/CD274 mAb

Catalog No.: A22304 **2 Publications**

Basic Information

Observed MW
Refer to figures

Calculated MW
33kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC5128-01

Conjugate
ABflo® 488. Ex:491nm. Em:516nm.

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 10^6 cells in 100 µl volume

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

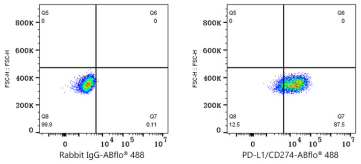
Source
Rabbit

Isotype
IgG

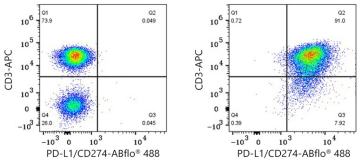
Purification
Affinity purification

Storage
Store at 2-8℃. 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: 1X10^6 NCI-H460 cells treated with IFN-γ (RP01038,100 ng/mL) were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo® 488 Rabbit anti-Human PD-L1/CD274 mAb (A22304,5 µl/Test,right)



Flow cytometry: 1X10^6 Human PBMC (untreated,left) and Human PBMC (treated with 5 µg/mL PHA for 72 hours,right) were surface-stained with APC Rabbit anti-Human/Monkey CD3 mAb (A27111,5 µl/Test) and ABflo® 488 Rabbit anti-Human PD-L1/CD274 mAb (A22304,5 µl/Test). Cells in the lymphocyte gate were used for analysis.