

PE Rabbit anti-Human PD-L1/CD274 mAb

Catalog No.: A26692

Basic Information

Observed MW

Calculated MW
33kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Human

CloneNo number
ARC5128-01-PE

Conjugate
PE. Ex:565nm. Em:574nm.

Recommended Dilutions

FC 5 μ l per 10^6 cells in
100 μ l 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	Swiss Prot
29126	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

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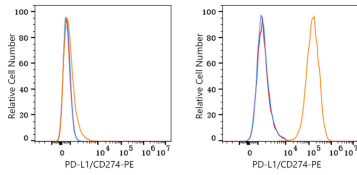
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

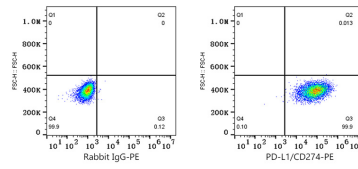
Storage

Store at 2-8°C. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

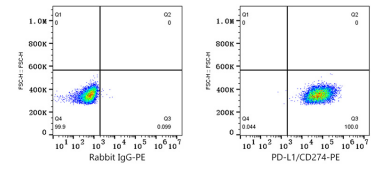
Validation Data



Flow cytometry: 1×10^6 K-562 cells (negative control, left) and MDA-MB-231 cells (right) were surface-stained with PE Rabbit anti-Human PD-L1/CD274 mAb (A26692, 5 μ l/Test, orange line) or PE Rabbit IgG isotype control (A24172, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 A549 cells treated with IFN- γ (RP01038, 1 ng/mL) were surface-stained with PE Rabbit IgG isotype control (A24172, 5 μ l/Test, left) or PE Rabbit anti-Human PD-L1/CD274 mAb (A26692, 5 μ l/Test, right)



Flow cytometry: 1×10^6 NCI-H460 cells treated with IFN- γ (RP01038, 1 ng/mL) were surface-stained with PE Rabbit IgG isotype control (A24172, 5 μ l/Test, left) or PE Rabbit anti-Human PD-L1/CD274 mAb (A26692, 5 μ l/Test, right)