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PE Rabbit anti-Mouse CD274/PD-L1 mAb

Catalog No.: A26505

Basic Information

Observed MW
Refer to figures

Calculated MW
32kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ARC61951-PE

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

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.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
60533

Swiss Prot
Q9EP73

Immunogen
Recombinant fusion protein containing a sequence corresponding to amino acids 19-235 of mouse CD274/PD-L1(NP_068693.1).

Synonyms
B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik

Contact

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Product Information

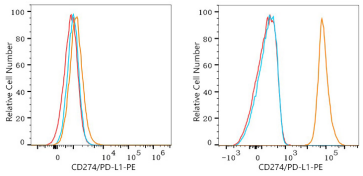
Source
Rabbit

Isotype
IgG

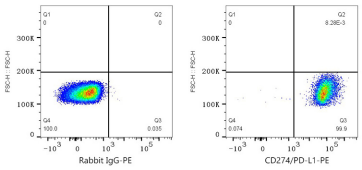
Purification
Affinity purification

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

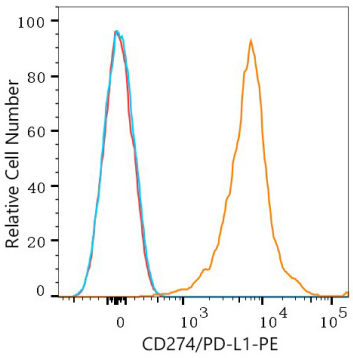
Validation Data



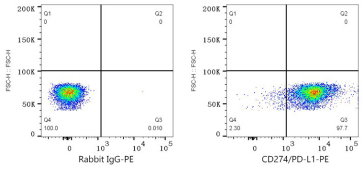
Flow cytometry: 1X10^6 C2C12 cells (Low Expression,left) and A20 cells (right) were surface-stained with PE Rabbit anti-Mouse CD274/PD-L1 mAb (A26505,5 µl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 A20 cells were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Mouse CD274/PD-L1 mAb (A26505,5 µl/Test,right).



Flow cytometry: 1X10^6 C57BL/6 mouse splenocytes were surface-stained with PE Rabbit anti-Mouse CD274/PD-L1 mAb (A26505,5 µl/Test,orange line) or PE Rabbit IgG isotype control (A24172,5 µl/Test,blue line). Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1X10^6 C57BL/6 mouse splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Mouse CD274/PD-L1 mAb (A26505,5 µl/Test,right).