

ABflo® 450 Rabbit anti-Mouse CD274/PD-L1 mAb

Catalog No.: A25879

Basic Information

Observed MW

Refer to figures

Calculated MW

32kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC61951-ABflo450

Conjugate

ABflo® 450. Ex:406nm. Em:445nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

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.

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; Pdccl1l1; Pdccl1lg1; A530045L16Rik

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

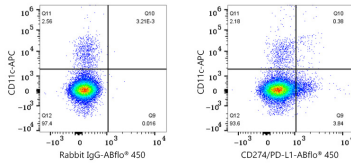
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with APC Armenian Hamster anti-Mouse CD11c mAb (5 μ l/Test) and ABflo® 450 Rabbit anti-Mouse CD274/PD-L1 mAb (A25879, 5 μ l/Test, right) or ABflo® 450 Rabbit IgG isotype control (5 μ l/Test, left).