

Manufacturer/Supplier:

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Product name: Anti-Mouse CD274/PD-L1 Monoclonal
Antibody(APC Conjugated)

Catalog: DL21661F

Synonyms: B7-H1, PD-L1, Programmed cell death ligand 1, B7
homolog 1, B7-H, B7H1, PDL1, PDCD1L1,
PDCD1LG1

Background: CD274, also known as B7-H1 or programmed death
ligand 1 (PD-L1), is a 40 kD type I transmembrane
protein and a member of the B7 family within the
immunoglobulin receptor superfamily. It is expressed
on T cells, B cells, NK cells, dendritic cells, IFN- γ
activated endothelial cells, and monocytes. B7-H1 is
one of the ligands of PD-1. The interaction of B7-H1
with PD-1 plays an important role in the inhibition of
T cell responses. Other studies have shown that

B7-H1 is able to costimulate T cell growth and cytokine production. CD274 is involved in costimulation essential for T cell proliferation and production of IL-10 and IFN- γ , in an IL-2-dependent and a PD-1-independent manner. Its interaction with PD-1 inhibits T cell proliferation and cytokine production.

Form: Liquid

Isotype: Rat IgG2b, κ

Size: 25 μ g/100 μ g

Host: Rat

Reactivity: Mouse

Application: FCM

Concentration: 0.2 mg/mL

Conjugation: APC

SwissProt: Q9EP73

Buffer: Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

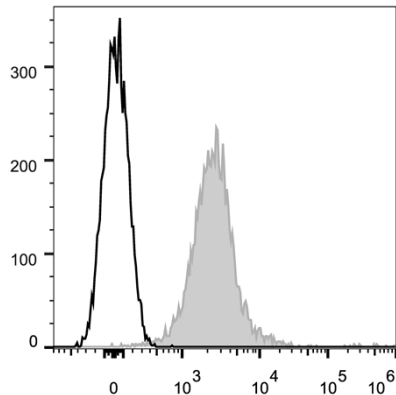
Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use. We suggest each investigator should titrate the reagent to obtain optimal results [The recommended concentration is 0.1-1 $\mu\text{g}/10^6$ cells in 100 μL volume].

Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse PD-L1 Monoclonal Antibody(APC Conjugated)[Used at 0.05 $\mu\text{g}/10^6$ cells dilution](filled gray histogram). Unstained splenocytes (empty black histogram) are used as control.



Storage:

Keep as concentrated solution.

Store at 2~8°C and protected from prolonged exposure to light. Do not freeze.

This product is guaranteed up to one year from purchase.