

Manufacturer/Supplier:

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Product name: Anti-Mouse CD274/PD-L1 Monoclonal
Antibody(PE/Cyanine5.5 Conjugated)

Catalog: DL21659F

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:

50Tests/100Tests/100Tests \times 2

Host: Rat

Reactivity: Mouse

Application: FCM

Concentration: 5 μ L

Conjugation: PE/Cyanine5.5

SwissProt: Q9EP73

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

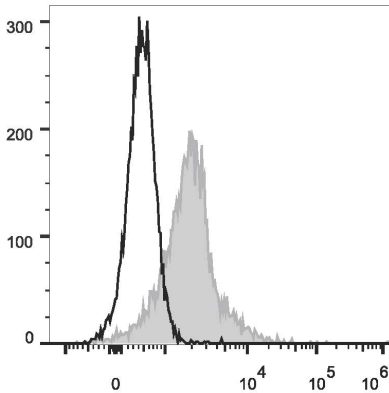
Recommended Use:

Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per

100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data:

C57BL/6 murine splenocytes are stained with Anti-Mouse PD-L1 Monoclonal Antibody(PE/Cyanine5.5 Conjugated)(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.