

Manufacturer/Supplier:

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

Catalog: DL21668F

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

Background: CD274, also known as PD-L1 and B7-H1, is type I transmembrane glycoprotein that serves as a ligand for CD279 (PD-1). This interaction is believed to regulate the balance between the stimulatory and inhibitory signals needed for responses to microbes and maintenance of self- tolerance. CD274 is involved in the costimulation of T cell proliferation and IL-10 and IFN- γ production in an IL-2-dependent and CD279-independent manner.

Conflicting data has shown that CD274 can inhibit T cell proliferation and cytokine production, and alternatively, enhance T cell activation. Other studies suggest that CD274 may signal bidirectionally, raising interesting implications for its expression in a wide variety of cell types, including T and B cells, antigen- presenting cells, and nonhematopoietic cells.

Form: Liquid

Isotype: Mouse IgG2b, κ

Size:

Host: Mouse

20Tests/100Tests/100Tests \times 2

Reactivity: Human

Application: FCM

Concentration: 5 μ L

Conjugation: APC

SwissProt: Q9NZQ7

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

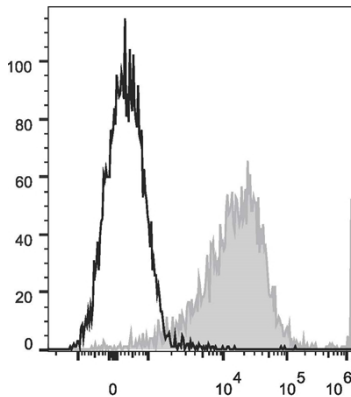
Recommended Use:

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:

PHA-stimulated (3 days) human peripheral blood lymphocytes are stained with Anti-Human CD274/PD-L1 Monoclonal Antibody(APC Conjugated)(filled gray histogram) or Mouse IgG1 Isotype Control APC(empty black histogram).



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.