

Manufacturer/Supplier:

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

Catalog: DL21665F

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: 25 μ g/100 μ g

Host: Mouse

Reactivity: Human

Application: FCM

Concentration: 0.5 mg/mL

Conjugation: Biotin

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. For flow cytometric staining, the suggested use of this reagent is $\leq 1.0 \mu\text{g}$ per 10^6 cells in 100 μL volume or 100 μL of

whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

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.