



A Reliable Research Partner in Life Science and Medicine

# Purified Anti-Mouse CD274/PD-L1 Antibody[10F.9G2]

catalog number: E-AB-F1132A

Note: Centrifuge before opening to ensure complete recovery of vial contents.

## **Description**

Reactivity Mouse

Immunogen Recombinant Mouse CD274 protein

**Host** Rat

 Isotype
 Rat IgG2b, κ

 Clone
 10F.9G2

**Purification** >98%, Protein A/G purified

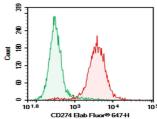
**Buffer** Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer.

Dialyze to completely remove the stabilizer prior to labeling.

Applications Recommended Dilution

**FCM** 2  $\mu$ g/mL(0.5×10<sup>6</sup>-1×10<sup>6</sup> cells)

#### Data



C57/BL6 Mouse splenocytes were stained with 0.2 μg
Purified Anti-Mouse CD274/PD-L1 Antibody[10F.9G2](Right)
and 0.2 μg Rat IgG2b, κ Isotype Control(Left), followed by
Elab Fluor<sup>®</sup> 647-conjugated Goat Anti-Rat IgG Secondary
Antibody.

# **Preparation & Storage**

Storage Storage Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze /

thaw cycles.

Shipping Ice bag

## **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.

For Research Use Only