

# 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

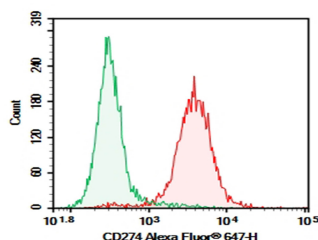
<b>Reactivity</b>	Mouse
<b>Immunogen</b>	Recombinant Mouse CD274 protein
<b>Host</b>	Rat
<b>Isotype</b>	Rat IgG2b, $\kappa$
<b>Clone</b>	10F.9G2
<b>Purification</b>	>98%, Protein A/G purified
<b>Conjugation</b>	Unconjugated
<b>buffer</b>	PBS, pH 7.2. Contains 0.05% proclin 300.

## Applications

## Recommended Dilution

<b>FCM</b>	2 $\mu\text{g}/\text{mL}$ ( $1 \times 10^5$ - $5 \times 10^5$ cells)
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## Data



C57/BL6 Mouse splenocytes were stained with 0.2  $\mu\text{g}$  Purified Anti-Mouse CD274/PD-L1 Antibody[10F.9G2] (Right) and 0.2  $\mu\text{g}$  Rat IgG2b,  $\kappa$  Isotype Control(Left),

followed by Alexa Fluor<sup>®</sup> 647-conjugated Goat Anti-Rat IgG Secondary Antibody.

## Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	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- $\gamma$  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- $\gamma$ , 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