

10-7648: Monoclonal Antibody to Mouse PD-L1 (Clone: 10F.9G2)

Clonality :	Monoclonal
Clone Name :	10F.9G2
Application :	FACS
Reactivity :	Mouse
Gene :	Cd274
Gene ID :	60533
Uniprot ID :	Q9EP73
Format :	Purified
Alternative Name :	Programmed cell death 1 ligand 1, Programmed cell death 1 ligand 1, Programmed death ligand 1, B7-H1
Isotype :	Rat IgG2b, k
Immunogen Information :	Mouse CD274

Description

PD-L1 (CD274/B7-H1) is a critical membrane-bound costimulatory molecule belonging to the B7 superfamily that inhibits immune responses through its receptor, PD-1. PD-L1 plays a key role in the pathogenesis of inflammatory diseases (programmed death 1). It is widely expressed in the mononuclear phagocyte system (MPS), may co-stimulate T cells, and regulates inflammatory responses. PD-L1 exerts inflammation regulatory functions via a negative co-stimulatory effect on T cell functions to inhibit cytokine secretion, facilitate apoptosis of activated T cells and induce T cell anergy. Aberrant expression and dysregulation of CD274/PD-L1 have been reported during bacterial infection, inflammation, and in numerous autoimmune diseases.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Flowcytometric Analysis: 0.2-0.4 µg/10⁶ Cells

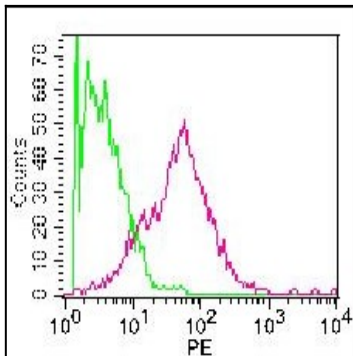


Figure 1: Cell surface staining of splenocytes stimulated with ConA + mIL2 for 3 days. Green represents Rat isotope control, red represents Anti-mouse PD-L1 (10-7648). 0.2 µg antibodies were used. Goat anti-rat PE was used as secondary antibody.