

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

Email: info@abeomics.com

10-7599-F: Monoclonal antibody to Human PD-L1 FITC conjugated (Clone: ABM5F25)

Clonality: Monoclonal ABM5F25 Clone Name: Application: **FACS** Reactivity: Human Conjugate: **FITC** CD274 Gene: Gene ID: 29126 **Uniprot ID:** Q9NZQ7 Format: Purified

Alternative Name: CD274,B7H1,PDCD1L1,PDCD1LG1,PDL1

Isotype: Mouse IgG2b Kappa

Immunogen Information: A partial length recombinant protein of PD-L1 (amino acid 13-224) was used as the immunogen for

this antibody.

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, facilitates apoptosis of activated T cells, and induces T cell anergy. Aberrant expression and dysregulation of CD274 have been reported during bacterial infection, inflammation, and in numerous autoimmune diseases.

Product Info

Amount : $25 \mu g / 100 \mu g$

Purification: Protein G Chromatography

Content: 0.2 mg/ml in Tris buffer containing 0.05% Azide

Storage condition: Store the antibody at 4°C

Application Note

FACS analysis: 1-2 µg/10^6 cells



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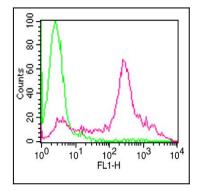


Fig-1: Cell Surface flow analysis of FITC conjugated PD-L1 in 3 days-PHA treated human PBMC cells using 1 μ g/10^6 cells of FITC conjugated PD-L1 antibody (Clone: ABM5F25). Green represents isotype control; red represents FITC conjugated anti-PD-L1 antibody.