

10-7562-F: Monoclonal Antibody to Human PD-L1 (Clone: ABM4E54) FITC Conjugated

| | |
|--------------------------------|---|
| Clonality : | Monoclonal |
| Clone Name : | ABM4E54 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | FITC |
| Gene : | CD274 |
| Gene ID : | 29126 |
| Uniprot ID : | Q9NZQ7 |
| Format : | Purified |
| Alternative Name : | CD274,B7H1,PDCD1L1,PDCD1LG1,PDL1 |
| Isotype : | Mouse IgG2a Kappa |
| Immunogen Information : | A partial length recombinant PDL1 protein (amino acids 18-227) 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, facilitate apoptosis of activated T cells, and induce T cell anergy. Aberrant expression and dysregulation of CD274 have been reported during bacterial infection, inflammation, and in numerous autoimmune diseases.

Product Info

| | |
|----------------------------|--|
| Amount : | 100 µg |
| Purification : | Protein G Chromatography |
| Content : | 25 µg in 125 µl /100 µg in 500 µl Tris 0.05% sodium azide. Sodium azide is highly toxic. |
| Storage condition : | Store the antibody at 4°C; stable for 6 months. |

Application Note

FACS: 1-2 µg/ml

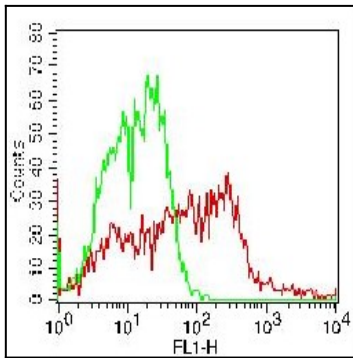


Fig-1: Cell Surface FLOW analysis of PD-L1 FITC in PHA treated human PBMC using 1 μ g of FITC conjugated PD-L1 antibody (Clone: ABM4E54). Green represents isotype control (ABEOMICS); red represents anti-PD-L1 (10-7562-F) antibody.