

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

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM4E54
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	FITC
<b>Gene :</b>	CD274
<b>Gene ID :</b>	29126
<b>Uniprot ID :</b>	Q9NZQ7
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD274,B7H1,PDCD1L1,PDCD1LG1,PDL1
<b>Isotype :</b>	Mouse IgG2a Kappa
<b>Immunogen Information :</b>	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

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

### Application Note

FACS: 1-2 µg/ml

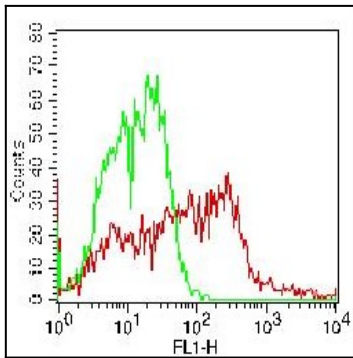


Fig-1: Cell Surface FLOW analysis of PD-L1 FITC in PHA treated human PBMC using 1  $\mu$ g of FITC conjugated PD-L1 antibody (Clone: ABM4E54). Green represents isotype control (ABEOMICS); red represents anti-PD-L1 (10-7562-F) antibody.