

10-7562-P: Monoclonal Antibody to Human PD-L1 (Clone: ABM4E54) PE Conjugated

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| Clonality : | Monoclonal |
| Clone Name : | ABM4E54 |
| Application : | FACS |
| Reactivity : | Human |
| Conjugate : | PE |
| 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, 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

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| Amount : | 100 Test |
| Purification : | Protein G Chromatography |
| Content : | 25 Test in 125 µl/100 Test in 500 µl PBS containing 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

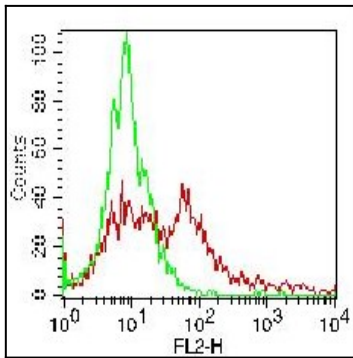


Fig-1: Cell Surface FLOW analysis of PD-L1- PE in PHA treated human PBMC using 1 μ g of PE conjugated PD-L1 antibody (Clone: ABM4E54). Green represents isotype control (ABEOMICS); red represents anti-PD-L1-PE (10-7562-PE) antibody.