

## 10-7599: Monoclonal antibody to Human PD-L1 (Clone: ABM5F25)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM5F25
<b>Application :</b>	IHC,FACS,WB
<b>Reactivity :</b>	Human
<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 IgG2b Kappa
<b>Immunogen Information :</b>	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

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	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.
<b>Storage condition :</b>	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

FACS analysis: 0.5-1 µg/10<sup>6</sup> cells; Western blot analysis: 2-4 µg/ml; Immunohistochemical analysis: 5-10 µg/ml

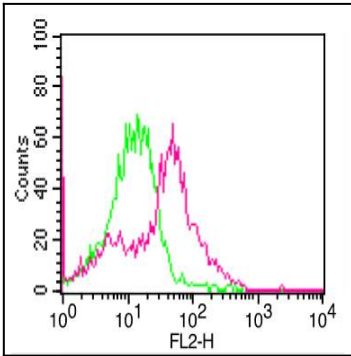


Fig:1- Cell Surface flow analysis of PD-L1 in 3 day-PHA treated human PBMC cells using  $1 \mu\text{g}/10^6$  cells of PD-L1 antibody (Clone: ABM5F25). Green represents isotype control; red represents anti-PD-L1 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

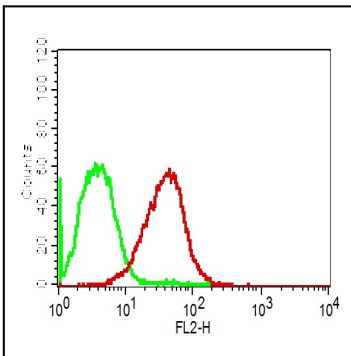


Fig:2: Cell surface flow analysis of PD-L1 in CHO-PD-L1 transfected cell line using  $0.5 \mu\text{g}/10^6$  cells of PD-L1 antibody (Clone: ABM5F25). Green represents isotype control; red represents anti-PD-L1 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

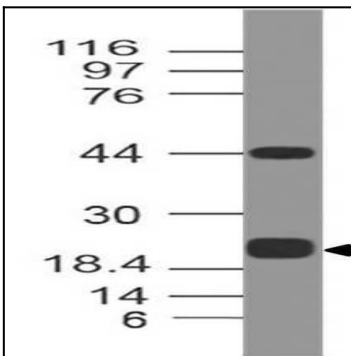


Fig-3: Western blot analysis of PDL1. Anti-PD-L1 antibody (Clone: ABM5F25) was tested at  $0.5 \mu\text{g}/\text{ml}$  on Recombinant lysate.

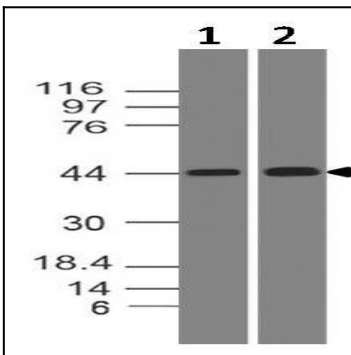


Fig-4: Western blot analysis of PDL1. Anti-PD-L1 antibody (Clone: ABM5F25) was tested at  $2 \mu\text{g}/\text{ml}$  on (1) Daudi and (2) HepG2 lysates.

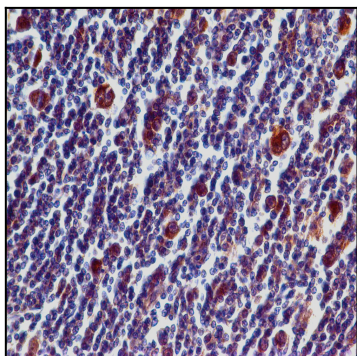


Fig-5: Immunohistochemical analysis of PD-L1 in Hodkin's Lymphoma tissue using PD-L1 antibody (Clone: ABM5F25) at 5  $\mu\text{g/ml}$ .

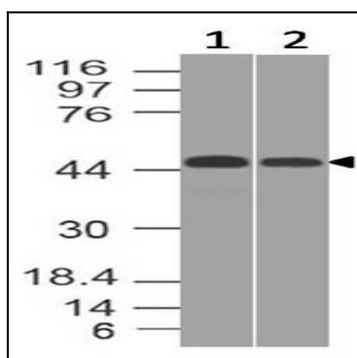


Fig-6: Western blot analysis of PDL1. Anti-PD-L1 antibody (Clone: ABM5F25) was tested at 0.5  $\mu\text{g/ml}$  on (1) U77 and (2) THP1 lysates.