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10-7599-NALE: NALE™ Monoclonal antibody to hPD-L1 (Clone: ABM5F25) (No Azide Low **Endotoxin**)

Clonality: Monoclonal **Clone Name:** ABM5F25 Application: IHC,FACS,WB Reactivity: Human Gene: CD274 Gene ID: 29126

Format: Azide Free, Purified

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

09NZ07

Isotype: Mouse IgG2b Kappa

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

immunogen for this antibody.

Description

Uniprot ID:

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 . 100 µg

Protein G Chromatography **Purification:**

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA. Azide free, low endotoxin.

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid Storage condition:

repeated freeze and thaw cycles.

Application Note

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



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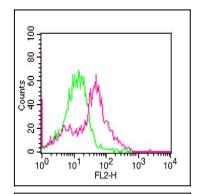


Fig-1: Cell Surface flow analysis of PD-L1 in 3 day-PHA treated human PBMC cells using 1 μ g/10^6 cells of PD-L1 antibody (Clone: ABM5F25). Green represents isotype control; red represents anti-PD-L1 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

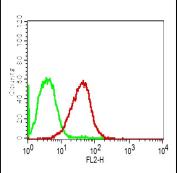


Fig:2- Cell surface flow analysis of PD-L1 in CHO-PD-L1 transfected cell line using 0.5 μ g/10^6 cells of PD-L1 antibody (Clone: ABM5F25). Green represents isotype control; red represents anti-PD-L1 antibody. Goat anti-mouse PE conjugate was used as secondary antibody.

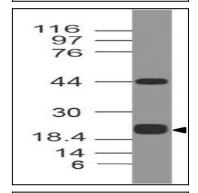


Fig-3: Western blot analysis of PDL1. Anti-PD-L1 antibody (Clone: ABM5F25) was tested at $0.5~\mu g/ml$ on Recombinant lysate.

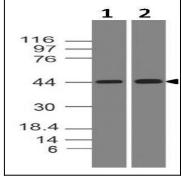


Fig-4: Western blot analysis of PDL1. Anti-PD-L1 antibody (Clone: ABM5F25) was tested at 2 μ g/ml on (1) Daudi and (2) HepG2 lysates.



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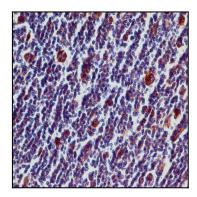


Fig-5: Immunohistochemical analysis of PD-L1 in Hodkin's Lymphoma tissue using PD-L1 antibody (Clone: ABM5F25) at 5 $\mu g/ml.$