

## 10-2001-NALE: NALE™ Recombinant Human PD-1 rabbit monoclonal Antibody (Clone: ABMRR01) (No Azide Low Endotoxin)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABMRR01
<b>Application :</b>	Functional Assay,FACS,WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	PDCD1
<b>Gene ID :</b>	5133
<b>Uniprot ID :</b>	Q15116
<b>Format :</b>	Azide Free,Purified
<b>Alternative Name :</b>	PDCD1, PD1, CD279
<b>Isotype :</b>	Rabbit IgG

### Description

PDCD-1 (programmed cell death-1 protein), also designated CD279, is a type I transmembrane receptor and a member of the immunoglobulin gene superfamily. It is expressed on activated T-cells, B-cells, and myeloid cells. Anti-PDCD-1 is a marker of angioimmunoblastic lymphoma and suggests a unique cell of origin for this neoplasm. Unlike CD10 and BCL6, PDCD-1 is expressed by few B-cells, so anti-PDCD-1 may be a more specific and useful diagnostic marker in angioimmunoblastic lymphoma. In addition, PDCD-1 expression provides evidence that angioimmunoblastic lymphoma is a neoplasm derived from germinal center-associated T-cells.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Protein A Chromatography
<b>Content :</b>	100 µg in 200 µl PBS containing 0.05% BSA
<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: 0.5-1 µg/10<sup>6</sup>, WB: 1-2 µg/ml, FA: EC<sub>50</sub> = 0.79 µg/ml

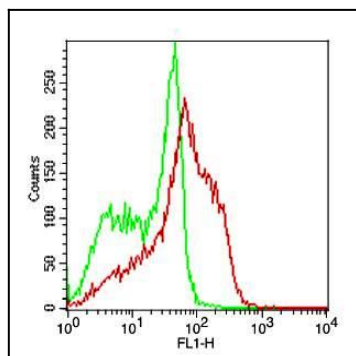


Fig-1: Cell surface flow analysis of Rabbit recombinant hPD-1 antibody in PHA treated PBMC (Lymphocyte gated) using 0.5  $\mu\text{g}/10^6$  cells of Rabbit recombinant hPD-1 antibody (Clone:ABMRR01). Green represent isotype control and red represent Rabbit recombinant hPD-1 antibody. Goat anti rabbit FITC conjugate was used as secondary antibody.

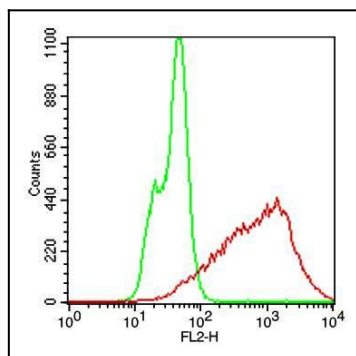


Fig-2: Cell surface flow analysis of Rabbit recombinant hPD-1 antibody in CHO-PD1 transfected cell line using 0.2  $\mu\text{g}/10^6$  cells of Rabbit recombinant hPD-1 antibody (Clone: ABMRR01). Green represent CHO/K1 cells and red represent Rabbit recombinant hPD-1 antibody. Goat anti rabbit PE conjugate was used as secondary antibody.

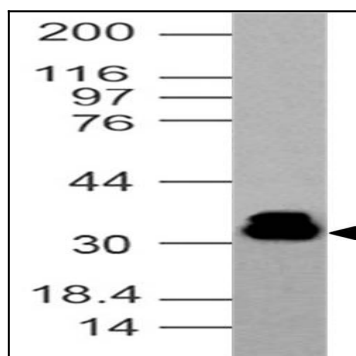


Fig-3: Western blot analysis of Rabbit recombinant hPD-1 antibody. Anti-Rabbit recombinant hPD-1 antibody was tested at 1  $\mu\text{g}/\text{ml}$  in Jurkat cell lysate

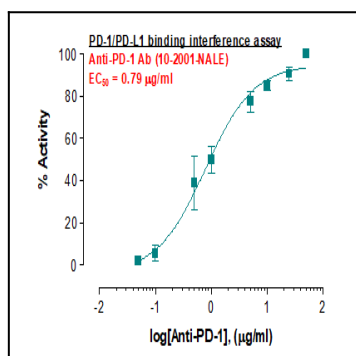


Fig-4: Functional activity of NALE™ Recombinant hPD-1 rabbit monoclonal antibody was evaluated using the Jurkat-PD-1/NFAT cell- and CHO/PD-L1 inducer cell-based assay system, in which the PD-1 antibody interferes with the binding between PD-1 and PD-L1 in a dose response manner, leading to the NFAT reporter gene induction.