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10-4107: Monoclonal Antibody to CD73 (Clone: ABM4F11)

Clonality :	Monoclonal
Clone Name :	ABM4F11
Application :	FACS,WB
Reactivity :	Human
Gene :	NT5E
Gene ID :	4907
Uniprot ID :	P21589
Format :	Purified
Alternative Name :	NT5E,NT5,NTE
Isotype :	Mouse IgG2a Kappa
Immunogen Information :	A partial length recombinant CD73 protein (amino acids 145-346) was used as the immunogen for this antibody.

Description

CD73, also known as ecto-5'-nucleotidase, is a glycosyl-phosphatidylinositol linked plasma membrane glycoprotein that is expressed on multiple cell types and in different tissues. It is a key enzyme in the regulation of purinergic signaling and inflammatory reactions. It hydrolyzes extracellular AMP into adenosine, which dampens immune cell activation, and reduces leukocyte trafficking CD73 potently suppresses antitumor T cell responses through its ability to generate adenosine. It has also emerged as an important regulator of tissue homeostasis and pathophysiologic responses related to immunity, inflammation, pain, ischemia, tissue fibrosis and cancer.

Product Info

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

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

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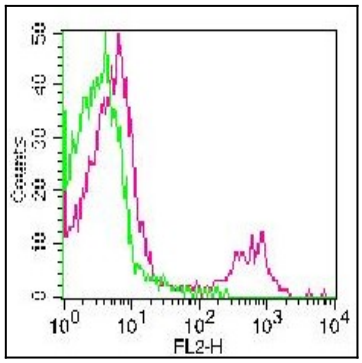

Fig-1: Cell Surface flow analysis of hCD73 in PBMC (Lymphocytes) using 0.2µg/10^6 cells of CD73 clone (ABM4F11). Green represents isotype control; red represents anti-hCD73 antibody. Goat anti-mouse PE conjugated secondary antibody (ABEOMICS) was used.

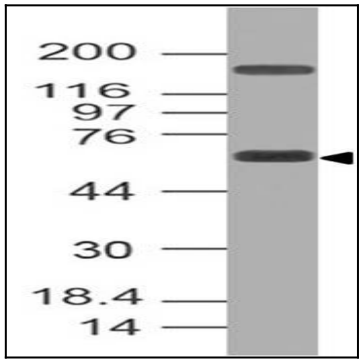

Fig-2: Western blot analysis of CD73. Anti- CD73 antibody (Clone: ABM4F11) was tested at 2 µg/ml on human liver lysate.