

Anti-ENPP3 Antibody (4U880)

Product Details

Ig Type:	Human IgG1
Reactivity:	Human, Macaca fascicularis
Conjugation:	Unconjugated
Clone:	4U880
Purification:	Affinity-chromatography

Applications

Verified Activity:	<p>1. The Binding Activity of Macaca fascicularis ENPP3 with Anti-ENPP3 recombinant antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Macaca fascicularis ENPP3 at 2 µg/mL can bind Anti-ENPP3 recombinant antibody, the EC50 is 3.313-4.724 ng/mL.</p> <p>2. The Binding Activity of Human ENPP3 with Anti-ENPP3 Recombinant Antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human ENPP3 at 2 µg/mL can bind Anti-ENPP3 recombinant antibody, the EC50 is 2.151-2.492 ng/mL</p> <p>3. Untransfected HEK293T cells surface (green line) and transfected Human ENPP3 HEK293T stable cells surface (red line) were stained with anti-ENPP3 recombinant antibody (2µg/1*10⁶ cells), washed and then followed by FITC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.</p>
Application:	ELISA, FCM

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human ENPP3 Protein
Antigen Species:	Human
Gene ID:	5169
Uniprot ID:	O14638
Synonyms:	NPP3;B10;PD-IBETA;ectonucleotide pyrophosphatase/phosphodiesterase 3;PDNP3;CD203c;PD-1β;RP5-988G15.3
Biology Area:	Immunology

Research Background

Hydrolase that metabolizes extracellular nucleotides, including ATP, GTP, UTP and CTP. Limits mast cell and basophil responses during inflammation and during the chronic phases of allergic responses by eliminating the extracellular ATP that functions as signaling molecule and activates basophils and mast cells and induces the release of inflammatory cytokines. Metabolizes extracellular ATP in the lumen of the small intestine, and thereby prevents ATP-induced apoptosis of intestinal plasmacytoid dendritic cells. Has also alkaline phosphodiesterase activity.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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