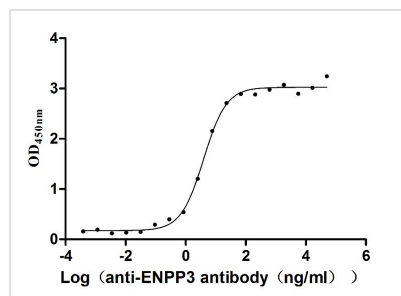




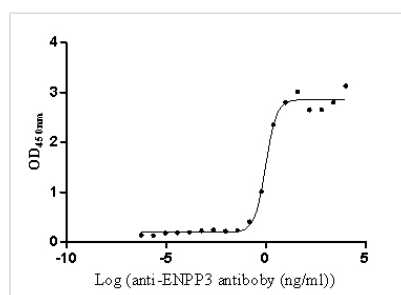
ENPP3 Recombinant Monoclonal Antibody

Product Code	CSB-RA007681MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	O14638
Immunogen	Recombinant Human ENPP3 protein
Species Reactivity	Human, Macaca fascicularis
Tested Applications	ELISA,FC
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	hIgG1
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Immunology
Gene Names	ENPP3
Clone No.	3B2

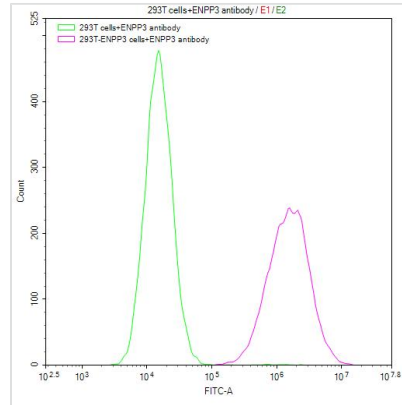
Image



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 (CSB-MP4278MOV) at 2 μ g/mL can bind Anti-ENPP3 recombinant antibody, the EC_{50} is 3.313-4.724 ng/mL.



The Binding Activity of Human ENPP3 with Anti-ENPP3 Recombinant Antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human ENPP3(CSB-MP007681HU) at 2 μ g/mL can bind Anti-ENPP3 recombinant antibody, the EC_{50} is 2.151-2.492 ng/mL



Untransfected HEK293T cells (green line) and transfected Human ENPP3 HEK293T stable cells (red line) were stained with anti-ENPP3 recombinant antibody ($2\mu\text{g}/1 \times 10^6$ cells), washed and then followed by FITC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.

Description

The ENPP3 monoclonal antibody was generated using the recombinant human SLC39A6 protein as an immunogen. The cDNA of the ENPP3 monoclonal antibody was sequenced to obtain the antibody gene, which was cloned into a plasmid vector. The plasmid vector was then transfected into host cells using a suitable transfection method. The resulting ENPP3 recombinant monoclonal antibody underwent purification through affinity chromatography and was subsequently tested for specificity through ELISA. The antibody demonstrated binding capabilities to the recombinant human ENPP3 (CSB-MP4278MOV) with an EC_{50} range of 3.313-4.724 ng/mL. It can react with human and macaca fascicularis ENPP3 proteins.

ENPP3 is a transmembrane glycoprotein that plays a role in the regulation of cell growth, differentiation, and mineralization. It is involved in the hydrolysis of extracellular nucleotides to generate inorganic phosphate and nucleoside diphosphates, which are important for the regulation of purinergic signaling pathways. ENPP3 is expressed in various tissues, including bone, kidney, and liver, and its dysregulation has been linked to a number of diseases, including calcification disorders, cancer, and inflammation.