

Mouse Ectonucleotide Pyrophosphatase/Phosphodiesterase 2 (ENPP2) ELISA Kit | ENPP2 elisa kit

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CATALOG # AAA141175	REACTIVITY Mouse
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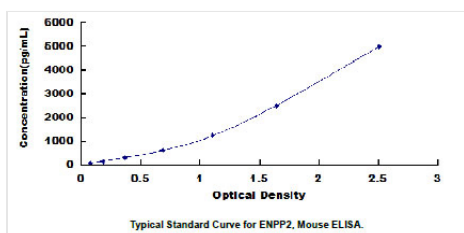
PRODUCT SYNONYMS

Ectonucleotide Pyrophosphatase/Phosphodiesterase 2 (ENPP2); Mouse Ectonucleotide Pyrophosphatase/Phosphodiesterase 2 (ENPP2) ELISA Kit; ATX; ATX-X; LysoPLD; NPP2; PD-IALPHA; PDNP2; Autotaxin; Extracellular lysophospholipase D; ENPP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ENPP2. No significant cross-reactivity or interference between ENPP2 and analogues was observed.
Sequence Length	863
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.61ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ENPP2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ENPP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENPP2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ENPP2 in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ENPP2. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ENPP2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ENPP2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ENPP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ENPP2 elisa kit	Enzyme & Kinase
References	GPIb? shedding in platelets is controlled by strict intracellular containment of both enzyme and substrate; J Thromb Haemost; 2023 Mar 29;S1538-7836(23)00251-9.; PMID: 37001816 ; Katrijn R Six; Transfusion Research Center, Belgian Red Cross Flanders, Ghent, Belgium; Faculty of Medicine and Health Sciences, Ghent University, Ghent, Belgium.

NCBI AND UNIPROT INFORMATION

NCBI GI #	22137786
NCBI GeneID	5168
Molecular Weight	101,968 Da
NCBI Official Full Name	Ectonucleotide pyrophosphatase/phosphodiesterase 2
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 2
NCBI Official Symbol	ENPP2
NCBI Official Synonym Symbols	ATX; NPP2; ATX-X; PDNP2; LysoPLD; AUTOTAXIN; PD-IALPHA
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 2
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 2
UniProt Gene Name	ENPP2
UniProt Synonym Gene Names	ATX; PDNP2; E-NPP 2; LysoPLD
UniProt Entry Name	ENPP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.