

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

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CATALOG # AAA68554	REACTIVITY Mouse
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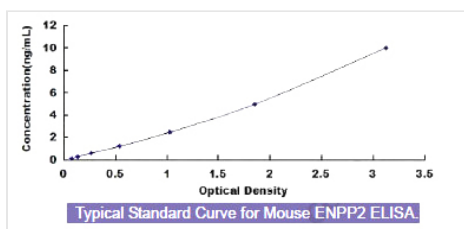
PRODUCT SYNONYMS

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	914
Samples	Serum, plasma, tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.065ng/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%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENPP2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ENPP2 in mouse serum, plasma, tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ENPP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	209862963
NCBI GeneID	18606
NCBI Accession #	NP_001129549.1
NCBI GenBank Nucleotide #	NM_001136077.3
UniProt Accession #	Q9R1E6; Q6PDE0; Q99LG9; A8UH85; A8UH93; B2ZP54
Molecular Weight	101,680 Da
NCBI Official Full Name	ectonucleotide pyrophosphatase/phosphodiesterase family member 2 isoform 1
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 2
NCBI Official Symbol	Enpp2
NCBI Official Synonym Symbols	ATX; Npps2; Pdnp2; E-NPP 2; lysoPLD; PD-lalpha
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	Npps2; Pdnp2; E-NPP 2; LysoPLD

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.