

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

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CATALOG # AAA66049	REACTIVITY Human
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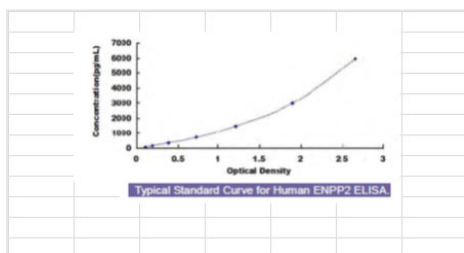
PRODUCT SYNONYMS

Ectonucleotide Pyrophosphatase/Phosphodiesterase 2 (ENPP2); Human Ectonucleotide Pyrophosphatase/Phosphodiesterase 2 (ENPP2) ELISA Kit; SERPINA5; PAI3; PLANH3; PROCI; Serpin Peptidase Inhibitor Clade A Member 5; Plasma Serine Protease Inhibitor; Plasminogen Activator Inhibitor 3; ENPP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	93.75-6000pg/mL
Sensitivity	32.28pg/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	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

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 human serum, plasma and 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 #	91823602
NCBI GeneID	5168
NCBI Accession #	NP_001035181.1
NCBI GenBank Nucleotide #	NM_001040092.2
UniProt Accession #	Q13822; Q13827; Q14555; Q15117; Q9UCQ8; Q9UCR0; Q9UCR1; Q9UCR2; Q9UCR3; Q9UCR4; A8UHA1; E9PHP7
Molecular Weight	101,968 Da
NCBI Official Full Name	ectonucleotide pyrophosphatase/phosphodiesterase family member 2 isoform 2 preproprotein
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

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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ectonucleotide-pyrophosphatase-phosphodiesterase-2-enpp2/66049>