

Human Ectonucleotide pyrophosphatase/phosphodiesterase family member 2 ELISA Kit | ENPP2 elisa kit

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CATALOG # AAA101039	REACTIVITY Human
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PRODUCT SYNONYMS

Ectonucleotide pyrophosphatase/phosphodiesterase family member 2; Human Ectonucleotide pyrophosphatase/phosphodiesterase family member 2 ELISA Kit; ENPP2/E-NPP 2/Autotaxin/ATX/Autotaxin/Lysophosphatidic Acid/NPP2/PDNP2/ATX-X/AUTOTAXIN/autotaxin-t/ectonucleotide pyrophosphatase/phosphodiesterase 2/Extracellular lysophospholipase D/LysoPLD/PD-IALPHA/phosphodiesterase I/nucleotide pyrophosphatase 2/plasma lysophospholipase D; ENPP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ELN. No significant cross-reactivity or interference between ELN and analogues was observed.
Sequence Length	863
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.25-80ng/ml
Sensitivity	0.75ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ELN were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ELN were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve									
Results of a typical standard operation of a ENPP2 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)									
X	ng/ml	0	1.25	2.5	5	10	20	40	80
Y	OD450	0.11	0.197	0.286	0.445	0.729	1.179	1.876	2.507

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENPP2 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-ELN antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-ELN antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the ELN amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of ELN can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	91823602
NCBI GeneID	5168
NCBI Accession #	NP_001035181.1
NCBI GenBank Nucleotide #	NM_001040092.2
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
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.

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Online datasheet: <https://stage.aaabiotech.com/enpp2-human-elisa-kits/ectonucleotide-pyrophosphatase-phosphodiesterase-family-member-2/101039>