

Rat Ectonucleotide pyrophosphatase/phosphodiesterase family member 1 ELISA Kit | Enpp1 elisa kit

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CATALOG #

AAA99891

REACTIVITY

Rat

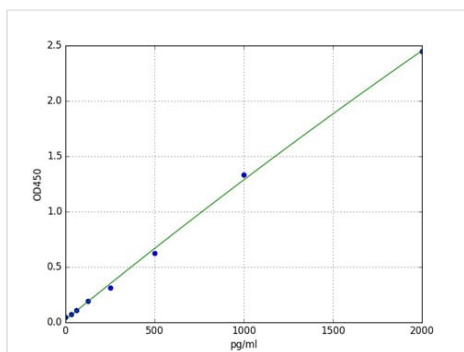
PRODUCT SYNONYMS

Ectonucleotide pyrophosphatase/phosphodiesterase family member 1; Rat Ectonucleotide pyrophosphatase/phosphodiesterase family member 1 ELISA Kit; Enpp1/Phosphodiesterase I/nucleotide pyrophosphatase 1/Plasma-cell membrane glycoprotein PC-1/; Enpp1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	925
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
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



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat Enpp1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	31.2	62.5	125	250	500	1000	2000
Y	OD450	0.076	0.144	0.177	0.298	0.529	0.940	1.387	2.062

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Enpp1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Enpp1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Enpp1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash 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 Rat Enpp1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Enpp1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	170650661
NCBI GeneID	5167
NCBI Accession #	NP_006199.2
NCBI GenBank Nucleotide #	NM_006208.2
Molecular Weight	104,924 Da
NCBI Official Full Name	ectonucleotide pyrophosphatase/phosphodiesterase family member 1
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 1
NCBI Official Symbol	ENPP1
NCBI Official Synonym Symbols	M6S1; NPP1; NPPS; PC-1; PCA1; ARHR2; COLED; PDNP1
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 1
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 1
UniProt Gene Name	ENPP1
UniProt Synonym Gene Names	M6S1; NPPS; PC1; PDNP1; E-NPP 1; NPPase
UniProt Entry Name	ENPP1_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/enpp1-rat-elisa-kits/ectonucleotide-pyrophosphatase-phosphodiesterase-family-member-1/99891>