

Human ectonucleotide pyrophosphatase/phosphodiesterase 3 ELISA Kit | ENPP3 elisa kit

Human Ectonucleotide pyrophosphatase/phosphodiesterase family member 3, ENPP3 ELISA Kit

CATALOG #
AAA112879

REACTIVITY
Human

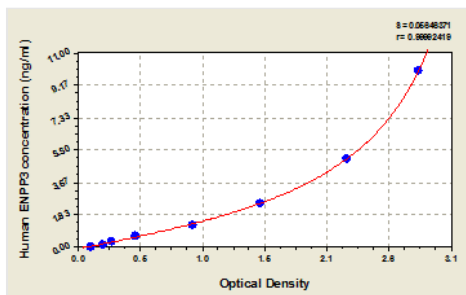
PRODUCT SYNONYMS

ectonucleotide pyrophosphatase/phosphodiesterase 3; Human Ectonucleotide pyrophosphatase/phosphodiesterase family member 3; ENPP3 ELISA Kit; Human Ectonucleotide pyrophosphatase/phosphodiesterase family member 3 (ENPP3) ELISA kit; RP5-988G15.3; B10; CD203c; NPP3; PD-IBETA; PDNP3; OTTHUMP00000017901; dJ1005H11.3 (phosphodiesterase I/nucleotide pyrophosphatase 3) ; dJ914N13.3 (phosphodiesterase I/nucleotide pyrophosphatase 3) ; gp13; ENPP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human ENPP3. No significant cross-reactivity or interference between human ENPP3 and analogues was observed.
Sequence Length	875
Samples	Serum, plasma, tissue homogenates, cell lysates.
Detection Range	0.156 ng/ml-10 ng/ml.
Sensitivity	The minimum detectable dose of human ENPP3 is typically less than 0.039 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Assay Type	Sandwich
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENPP3 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ENPP3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ENPP3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ENPP3 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ENPP3 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	111160296
NCBI GeneID	5169
NCBI Accession #	NP_005012.2
NCBI GenBank Nucleotide #	NM_005021.3
UniProt Accession #	O14638; Q5JTL3
Molecular Weight	100,124 Da
NCBI Official Full Name	ectonucleotide pyrophosphatase/phosphodiesterase family member 3
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 3
NCBI Official Symbol	ENPP3
NCBI Official Synonym Symbols	B10; NPP3; PDNP3; CD203c; PD-IBETA
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 3; gp130RB13-6; phosphodiesterase-I beta; phosphodiesterase I/nucleotide pyrophosphatase 3; dJ914N13.3 (phosphodiesterase I/nucleotide pyrophosphatase 3); dJ1005H11.3 (phosphodiesterase I/nucleotide pyrophosphatase 3)
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 3
UniProt Gene Name	ENPP3
UniProt Synonym Gene Names	PDNP3; E-NPP 3; PD-Ibeta; NPPase
UniProt Entry Name	ENPP3_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/enpp3-human-elisa-kits/ectonucleotide-pyrophosphatase-phosphodiesterase-3/112879>