

Human Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 ELISA Kit | ENPP3 elisa kit

Human Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189913

REACTIVITY
Human

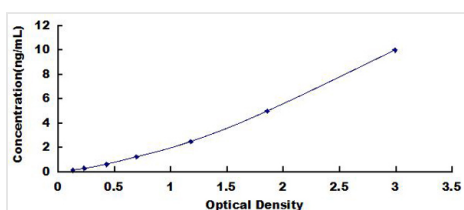
PRODUCT SYNONYMS

Ectonucleotide Pyrophosphatase/Phosphodiesterase 3; Human Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3) (Sandwich ELISA) ELISA Kit; CD203c; CD203-c; B10; NPP3; PD-IBETA; PDNP3; Phosphodiesterase I beta; Alkaline phosphodiesterase I; Nucleotide pyrophosphatase ; ELISA Kit for Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3); ENPP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3). No significant cross-reactivity or interference between Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3) and analogues was observed. Reactive with Human ENPP3 / Ectonucleotide Pyrophosphatase/Phosphodiesterase 3
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.060ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for ENPP3 ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for ENPP3 elisa kit	Principle of the Assay The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3). 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 Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3), 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 Ectonucleotide Pyrophosphatase/Phosphodiesterase 3 (ENPP3) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ENPP3 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	206729860
NCBI GeneID	5169
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/nucl
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.