

Human ENPP7 ELISA Kit | ENPP7 elisa kit

Human ENPP7 ELISA Kit PicoKine

CATALOG # AAA126737	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

ENPP7; Human ENPP7 ELISA Kit PicoKine; ENPP7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human ENPP7
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	93.7 pg/ml - 6,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for ENPP7 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES


Standard Curve (Sample)

Human ENPP7 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ENPP7 elisa kit	Background: Ectonucleotide pyrophosphatase/phosphodiesterase family member 7 (E-NPP 7) also known as alkaline sphingomyelin phosphodiesterase (Alk- SMase) or intestinal alkaline sphingomyelinase is an enzyme that in humans is encoded by the ENPP7 gene. The protein encoded by this gene is an intestinal alkaline sphingomyelin phosphodiesterase that converts sphingomyelin to ceramide and phosphocholine. The encoded protein is anchored in the cell membrane, and it may function to protect the intestinal mucosa from inflammation and tumorigenesis. This protein is glycosylated and also exhibits lysophosphatidylcholine hydrolase activity. Principle of the Assay: The Picokine™ Human ENPP7 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human ENPP7 with a 96-well strip plate that is pre-coated with antibody specific for ENPP7. The detection antibody is a biotinylated antibody specific for ENPP7. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human ENPP7 protein as standards. To measure Human ENPP7, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human ENPP7 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human ENPP7 in the sample.
Product Categories/Family for ENPP7 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	134047772
NCBI GeneID	339221
UniProt Accession #	Q6UWV6; Q6ZTS5; Q8IUS8
Molecular Weight	458
NCBI Official Full Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 7
NCBI Official Synonym Full Names	ectonucleotide pyrophosphatase/phosphodiesterase 7
NCBI Official Symbol	ENPP7
NCBI Official Synonym Symbols	NPP7; NPP-7; E-NPP 7; ALK-SMase
NCBI Protein Information	ectonucleotide pyrophosphatase/phosphodiesterase family member 7; ENPP7; alkaline sphingomyelinase; intestinal alkaline sphingomyelinase; alkaline sphingomyelin phosphodiesterase
UniProt Protein Name	Ectonucleotide pyrophosphatase/phosphodiesterase family member 7
UniProt Gene Name	ENPP7
UniProt Synonym Gene Names	E-NPP 7; NPP-7; Alk-SMase
UniProt Entry Name	ENPP7_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.