

Human Nucleoside Diphosphate Phosphatase Entpd5, ENTPD5 ELISA Kit | ENTPD5 elisa kit

Human Nucleoside Diphosphate Phosphatase Entpd5, ENTPD5 Primacu ELISA Kit

CATALOG # AAA124299	REACTIVITY Human
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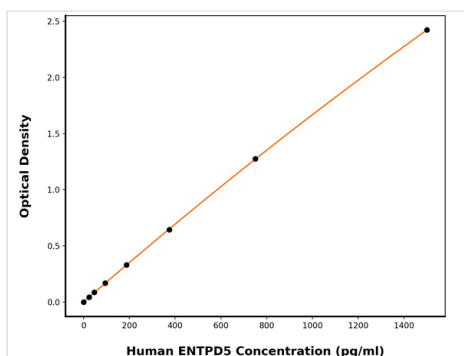
PRODUCT SYNONYMS

Nucleoside Diphosphate Phosphatase Entpd5; ENTPD5; Human Nucleoside Diphosphate Phosphatase Entpd5; ENTPD5 Primacu ELISA Kit; Nucleoside diphosphate phosphatase ENTPD5; CD39L4; PCPH; ENTPD5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	23.4-1500pg/mL
Sensitivity	6.72pg/mL
Standard Solution	15ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for ENTPD5 elisa kit	Ectonucleoside triphosphate diphosphohydrolase 5 (ENTPD5), also known as CD39 antigen-like 4, ER-UDPase, Guanosine-diphosphatase ENTPD5, Nucleoside diphosphatase Uridine-diphosphatase ENTPD5. This hydrolase is expressed in response to phosphoinositide 3-kinase (PI3K) signaling. Activation of PI3K results in FOXO phosphorylation by AKT1 and loss of ENTPD5 transcriptional repression. It is Up-regulated in PTEN-deficient cells. Uridine diphosphatase (UDPase) that promotes protein N-glycosylation and ATP level regulation.ENTPD5 promotes protein N-glycosylation and folding in the endoplasmic reticulum, as well as elevated ATP consumption in the cytosol via an ATP hydrolysis cycle. Together with CMPK1 and AK1, ENTPD5 constitutes an ATP hydrolysis cycle that converts ATP to AMP and results in a compensatory increase in aerobic glycolysis. ENTPD5 also hydrolyzes GDP and IDP but not any other nucleoside di-, mono- or triphosphates, nor thiamine pyrophosphate. This enzyme Plays a key role in the AKT1-PTEN signaling pathway by promoting glycolysis in proliferating cells in response to phosphoinositide 3-kinase (PI3K) signaling.
Product Categories/Family for ENTPD5 elisa kit	Primacu ELISA Kit; Cancer; Epigenetics and nuclear signaling; Metabolism; Signal transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557427
NCBI GeneID	957
NCBI Accession #	NP_001240.1
NCBI GenBank Nucleotide #	NM_001249.2
UniProt Accession #	O75356; Q96RX0; A1L4C5
Molecular Weight	47,517 Da
NCBI Official Full Name	ectonucleoside triphosphate diphosphohydrolase 5
NCBI Official Synonym Full Names	ectonucleoside triphosphate diphosphohydrolase 5
NCBI Official Symbol	ENTPD5
NCBI Official Synonym Symbols	PCPH; CD39L4; NTPDase-5
NCBI Protein Information	ectonucleoside triphosphate diphosphohydrolase 5; ER-UDPase; NTPDase 5; CD39-like 4; GDPase ENTPD5; UDPase ENTPD5; proto-oncogene CPH; CD39 antigen-like 4; nucleoside diphosphatase; Pcph proto-oncogene protein; uridine-diphosphatase ENTPD5; guanosine-diph
UniProt Protein Name	Ectonucleoside triphosphate diphosphohydrolase 5
UniProt Gene Name	ENTPD5
UniProt Synonym Gene Names	CD39L4; PCPH; NTPDase 5; GDPase ENTPD5; UDPase ENTPD5
UniProt Entry Name	ENTP5_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/human-elisa-kits/nucleoside-diphosphate-phosphatase-entpd5-entpd5/124299>