

Guinea Pig Ectonucleoside triphosphate diphosphohydrolase 1 (ENTPD1) ELISA Kit | ENTPD1 elisa kit

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CATALOG #

AAA93688

REACTIVITY

Guinea Pig

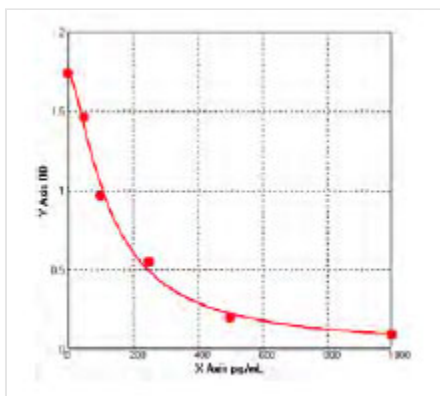
PRODUCT SYNONYMS

Ectonucleoside triphosphate diphosphohydrolase 1 (ENTPD1); Guinea pig Ectonucleoside triphosphate diphosphohydrolase 1 (ENTPD1) ELISA Kit; ENTPD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of ENTPD1. No significant cross-reactivity or interference between ENTPD1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ENTPD1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENTPD1 elisa kit	Intended Uses: This ENTPD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig ENTPD1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ENTPD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ENTPD1 antibody and an ENTPD1-HRP conjugate. The assay sample and buffer are incubated together with ENTPD1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ENTPD1 concentration since ENTPD1 from samples and ENTPD1-HRP conjugate compete for the anti-ENTPD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ENTPD1 from the sample, fewer sites are left to bind ENTPD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ENTPD1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ENTPD1 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	12018242
NCBI GeneID	64519
NCBI Accession #	NP_072109.1
NCBI GenBank Nucleotide #	NM_022587.1
Molecular Weight	57,408 Da
NCBI Official Full Name	ectonucleoside triphosphate diphosphohydrolase 1
NCBI Official Synonym Full Names	ectonucleoside triphosphate diphosphohydrolase 1
NCBI Official Symbol	Entpd1
NCBI Official Synonym Symbols	NTPDase-1
NCBI Protein Information	ectonucleoside triphosphate diphosphohydrolase 1; ATPDase; NTPDase 1; ecto-apyrase; ecto-ATPase 1; ecto-ATPDase 1; ecto-ATP diphosphohydrolase 1; lymphoid cell activation antigen
UniProt Protein Name	Ectonucleoside triphosphate diphosphohydrolase 1
UniProt Gene Name	Entpd1
UniProt Synonym Gene Names	Cd39; NTPDase 1; Ecto-ATPDase 1; Ecto-ATPase 1
UniProt Entry Name	ENTP1_RAT

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.