

Mouse ENTPD2 ELISA Kit | ENTPD2 elisa kit

Mouse ENTPD2 PicoKine ELISA Kit

CATALOG #
AAA125227

REACTIVITY
Mouse

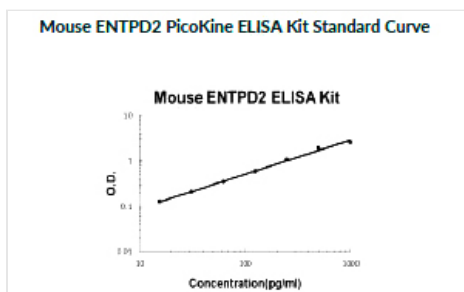
PRODUCT SYNONYMS

ENTPD2; Mouse ENTPD2 PicoKine ELISA Kit; Mouse ENTPD2; Ectonucleoside triphosphate diphosphohydrolase 2; NTPDase 2; CD39 antigen-like 1; Ecto-ATP diphosphohydrolase 2; Ecto-ATPDase 2; Ecto-ATPase 2; Entpd2; Cd39l1; ENTPD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Entpd2
Sequence Length	495
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/ml
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. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENTPD2 elisa kit	Principle of the Assay: The Picokine™ Mouse Entpd2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Entpd2 with a 96-well strip plate that is pre-coated with antibody specific for Entpd2. The detection antibody is a biotinylated antibody specific for Entpd2. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Mouse Entpd2 with immunogen: Expression system for standard: NSO, Immunogen sequence: C26-S462. The kit is analytically validated with ready to use reagents. To measure Mouse Entpd2, 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 unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Entpd2 in the sample. Read the density 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 Mouse Entpd2 in the sample.!!Background/Introduction: Ectonucleoside triphosphate diphosphohydrolase 2 is an enzyme that in humans is encoded by the ENTPD2 gene. This gene is mapped to 2; 2 A3. The protein encoded by this gene is the type 2 enzyme of the ecto-nucleoside triphosphate diphosphohydrolase family (E-NTPDase). ENTPDases are a family of ecto-nucleosidases that hydrolyze 5'-triphosphates. This ecto-ATPase is an integral membrane protein. Alternative splicing of this gene results in multiple transcript variants. It has been shown, by scientists from the University of Warwick, that E-NTPDase2 stimulates the growth of the eye: by testing the enzyme on tadpoles, the tadpoles were found to develop extra eyes on their body.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	161484610
NCBI GeneID	12496
NCBI Accession #	NP_033979.2
NCBI GenBank Nucleotide #	NP_033979.2
UniProt Accession #	O55026
NCBI Official Full Name	ectonucleoside triphosphate diphosphohydrolase 2
NCBI Official Synonym Full Names	ectonucleoside triphosphate diphosphohydrolase 2
NCBI Official Symbol	Entpd2
NCBI Official Synonym Symbols	Cd39l1; NTPDase2
NCBI Protein Information	ectonucleoside triphosphate diphosphohydrolase 2
UniProt Protein Name	Ectonucleoside triphosphate diphosphohydrolase 2
UniProt Gene Name	Entpd2
UniProt Synonym Gene Names	Cd39l1; NTPDase 2; Ecto-ATPDase 2; Ecto-ATPase 2
UniProt Entry Name	ENTP2_MOUSE

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/mouse-elisa-kits/entpd2/125227>