

ARG82471 Mouse ENTPD2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82471-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82471-002	Standard	2 X 10 ng/vial	4°C
ARG82471-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82471-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82471-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82471-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82471-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82471-008	25X Wash buffer	20 ml	4°C
ARG82471-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82471-010	STOP solution	10 ml (Ready to use)	4°C
ARG82471-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82471 Mouse ENTPD2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse ENTPD2 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	ENTPD2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	10 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	15.6 - 1000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.1% Inter-Assay CV: 5.5%

Alternate Names Ecto-ATPDase 2; Ecto-ATPase 2; NTPDase-2; NTPDase 2; Ecto-ATP diphosphohydrolase 2; Ectonucleoside triphosphate diphosphohydrolase 2; CD39 antigen-like 1; EC 3.6.1.-; CD39L1

Application Instructions

Assay Time ~ 5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol ENTPD2

Gene Full Name ectonucleoside triphosphate diphosphohydrolase 2

Background The protein encoded by this gene is the type 2 enzyme of the ecto-nucleoside triphosphate diphosphohydrolase family (E-NTPDase). E-NTPDases 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. [provided by RefSeq, Jul 2008]

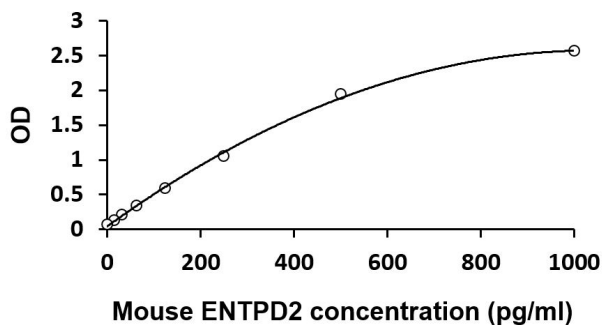
Function In the nervous system, could hydrolyze ATP and other nucleotides to regulate purinergic neurotransmission. Hydrolyzes ADP only to a marginal extent. The order of activity with different substrates is ATP > GTP > CTP = ITP > UTP >> ADP = UDP. [UniProt]

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New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Isoform Long: Cell membrane; Multi-pass membrane protein. Isoform Short: Endoplasmic reticulum membrane; Multi-pass membrane protein. Isoform gamma: Endoplasmic reticulum membrane; Multi-pass membrane protein. [UniProt]

Images



ARG82471 Mouse ENTPD2 ELISA Kit standard curve image

ARG82471 Mouse ENTPD2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.