

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

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| 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% |

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| 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

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|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

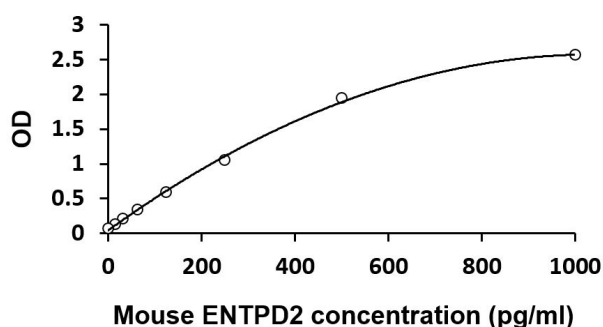
Properties

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|---------------------|--|
| 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

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|-----------------------|---|
| 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] |
| Highlight | Related products: 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.