

ARG82483 Mouse Apolipoprotein H ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG82483-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG82483-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG82483-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG82483-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82483-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82483-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82483-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82483-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG82483-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG82483-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG82483-011 | Plate sealer | 4 strips | Room temperature |

Summary

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| Product Description | ARG82483 Mouse Apolipoprotein H ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Apolipoprotein H in serum, plasma (EDTA, heparin) and cell culture supernatants. |
| Tested Reactivity | Ms |
| Tested Application | ELISA |
| Target Name | Apolipoprotein H |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 156 pg/ml |
| Sample Type | Serum, plasma (EDTA, heparin) and cell culture supernatants. |
| Standard Range | 312 - 20000 pg/ml |
| Sample Volume | 100 µl |
| Precision | Intra-Assay CV: 4.8% Inter-Assay CV: 6.3% |

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| Alternate Names | Apo-H; Beta-2-glycoprotein 1; BG; B2G1; APC inhibitor; Apolipoprotein H; Anticardiolipin cofactor; B2GPI; Beta; 2; Activated protein C-binding protein; B2GP1; Beta-2-glycoprotein I |
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Application Instructions

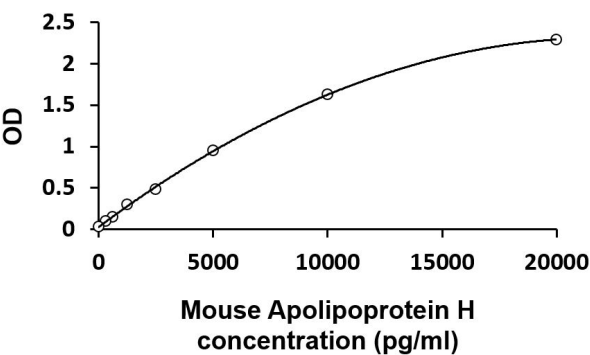
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
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Properties

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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 | APOH |
| Gene Full Name | apolipoprotein H (beta-2-glycoprotein I) |
| Background | Apolipoprotein H has been implicated in a variety of physiologic pathways including lipoprotein metabolism, coagulation, and the production of antiphospholipid autoantibodies. APOH may be a required cofactor for anionic phospholipid binding by the antiphospholipid autoantibodies found in sera of many patients with lupus and primary antiphospholipid syndrome, but it does not seem to be required for the reactivity of antiphospholipid autoantibodies associated with infections. [provided by RefSeq, Jul 2008] |
| Function | Binds to various kinds of negatively charged substances such as heparin, phospholipids, and dextran sulfate. May prevent activation of the intrinsic blood coagulation cascade by binding to phospholipids on the surface of damaged cells. [UniProt] |
| Highlight | Related products: Apolipoprotein antibodies: Apolipoprotein ELISA Kits: New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| PTM | N- and O-glycosylated. PubMed:6587378 also reports glycosylation on 'Asn-188' for their allele. [UniProt] |
| Cellular Localization | Secreted. [UniProt] |



ARG82483 Mouse Apolipoprotein H ELISA Kit standard curve image

ARG82483 Mouse Apolipoprotein H ELISA Kit results of a typical standard run with optical density reading at 450 nm.