

ARG81740 Mouse HGFA Inhibitor 2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81740-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81740-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81740-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81740-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81740-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81740-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81740-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81740-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81740-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81740-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81740-011 | Plate sealer | 4 strips | Room temperature |

Summary

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| Product Description | ARG81740 Mouse HGFA Inhibitor 2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse HGFA Inhibitor 2 in serum, plasma (heparin, EDTA) and cell culture supernatants. |
| Tested Reactivity | Ms |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | HGFA Inhibitor 2 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 15.6 pg/ml |
| Sample Type | Serum, plasma (heparin, EDTA) and cell culture supernatants. |
| Standard Range | 31.2 - 2000 pg/ml |
| Sample Volume | 100 µl |

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|-----------------|---|
| Precision | Intra-Assay CV: 6.0%; Inter-Assay CV: 7.7% |
| Alternate Names | HAI2; Kunitz-type protease inhibitor 2; PB; Placental bikunin; HAI-2; Hepatocyte growth factor activator inhibitor type 2; Kop; DIAR3 |

Application Instructions

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|------------|-----------|
| 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 | SPINT2 |
| Gene Full Name | serine peptidase inhibitor, Kunitz type, 2 |
| Background | This gene encodes a transmembrane protein with two extracellular Kunitz domains that inhibits a variety of serine proteases. The protein inhibits HGF activator which prevents the formation of active hepatocyte growth factor. This gene is a putative tumor suppressor, and mutations in this gene result in congenital sodium diarrhea. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009] |
| Function | Inhibitor of HGF activator. Also inhibits plasmin, plasma and tissue kallikrein, and factor XIa. [UniProt] |
| Highlight | Related products: HGFA Inhibitor ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |

Images

