

ARG82087 Mouse Prorenin / Renin (total) ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG82087-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG82087-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG82087-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG82087-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82087-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82087-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG82087-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG82087-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG82087-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG82087-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG82087-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG82087 Mouse Prorenin / Renin (total) ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Prorenin / Renin (total) 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 | Prorenin / Renin (total) |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 31.25 pg/ml |
| Sample Type | Serum, plasma (heparin, EDTA) and cell culture supernatants. |
| Standard Range | 62.5 - 4000 pg/ml |
| Sample Volume | 100 µl |

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|-----------------|---|
| Precision | Intra-Assay CV: 6.1%; Inter-Assay CV: 6.9% |
| Alternate Names | EC 3.4.23.15; Angiotensinogenase; Ren-1; D19352; Ren1d; Ren; Rnr; Rn-1; Renin-1; Ren-A; Ren1c; Kidney renin |

Application Instructions

Assay Time ~ 5 hours

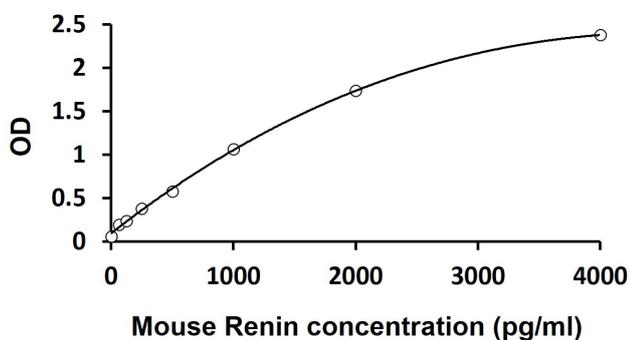
Properties

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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 | Ren1 |
| Gene Full Name | renin 1 structural |
| Function | Renin is a highly specific endopeptidase, whose only known function is to generate angiotensin I from angiotensinogen in the plasma, initiating a cascade of reactions that produce an elevation of blood pressure and increased sodium retention by the kidney. [UniProt] |
| Highlight | Related products: Renin antibodies ; Renin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |
| Cellular Localization | Secreted. Membrane. Note=Associated to membranes via binding to ATP6AP2. [UniProt] |

Images



ARG82087 Mouse Prorenin / Renin (total) ELISA Kit standard curve image

ARG82087 Mouse Prorenin / Renin (total) ELISA Kit results of a typical standard run with optical density reading at 450 nm.