

ARG81867 Mouse Prostatin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81867-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81867-002 | Standard | 2 X 50 ng/vial | 4°C |
| ARG81867-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81867-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81867-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81867-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81867-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81867-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81867-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81867-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81867-011 | Plate sealer | 4 strips | Room temperature |

Summary

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| Product Description | ARG81867 Mouse Prostatin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Prostatin in serum, plasma (heparin, EDTA), urine and cell culture supernatants. |
| Tested Reactivity | Ms |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | Prostatin |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 0.39 ng/ml |
| Sample Type | Serum, plasma (heparin, EDTA), urine and cell culture supernatants. |
| Standard Range | 0.78 - 50 ng/ml |
| Sample Volume | 100 µl |

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|-----------------|---|
| Precision | Intra-Assay CV: 6.0%; Inter-Assay CV: 6.8% |
| Alternate Names | Prostasin; Serine protease 8; Channel-activating protease 1; CAP1; PROSTASIN; EC 3.4.21.- |

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 | PRSS8 |
| Gene Full Name | protease, serine, 8 |
| Background | This gene encodes a trypsinogen, which is a member of the trypsin family of serine proteases. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. The proprotein is cleaved to produce a light chain and a heavy chain which are associated by a disulfide bond. It is active on peptide linkages involving the carboxyl group of lysine or arginine. [provided by RefSeq, Jul 2008] |
| Function | Possesses a trypsin-like cleavage specificity with a preference for poly-basic substrates. Stimulates epithelial sodium channel (ENaC) activity through activating cleavage of the gamma subunits (SCNN1G). [UniProt] |
| Highlight | Related products: Prostasin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData |

Images

