

ARG81860 Rat MMP8 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

| Cat. No. | Component Name | Package | Temp |
|--------------|---------------------------------------|----------------------|---|
| ARG81860-001 | Antibody-coated microplate | 8 X 12 strips | 4°C. Unused strips should be sealed tightly in the air-tight pouch. |
| ARG81860-002 | Standard | 2 X 10 ng/vial | 4°C |
| ARG81860-003 | Standard/Sample diluent | 30 ml (Ready to use) | 4°C |
| ARG81860-004 | Antibody conjugate concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81860-005 | Antibody diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81860-006 | HRP-Streptavidin concentrate (100X) | 1 vial (100 µl) | 4°C |
| ARG81860-007 | HRP-Streptavidin diluent buffer | 12 ml (Ready to use) | 4°C |
| ARG81860-008 | 25X Wash buffer | 20 ml | 4°C |
| ARG81860-009 | TMB substrate | 10 ml (Ready to use) | 4°C (Protect from light) |
| ARG81860-010 | STOP solution | 10 ml (Ready to use) | 4°C |
| ARG81860-011 | Plate sealer | 4 strips | Room temperature |

Summary

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|---------------------|---|
| Product Description | ARG81860 Rat MMP8 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat MMP8 in serum, plasma (heparin) and cell culture supernatants. |
| Tested Reactivity | Rat |
| Tested Application | ELISA |
| Specificity | There is no detectable cross-reactivity with other relevant proteins. |
| Target Name | MMP8 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 78 pg/ml |
| Sample Type | Serum, plasma (heparin) and cell culture supernatants. |
| Standard Range | 156 - 10000 pg/ml |
| Sample Volume | 100 µl |

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|-----------------|---|
| Precision | Intra-Assay CV: 6.4%; Inter-Assay CV: 7.5% |
| Alternate Names | HNC; PMNL collagenase; MMP-8; PMNL-CL; CLG1; Neutrophil collagenase; Matrix metalloproteinase-8; EC 3.4.24.34 |

Application Instructions

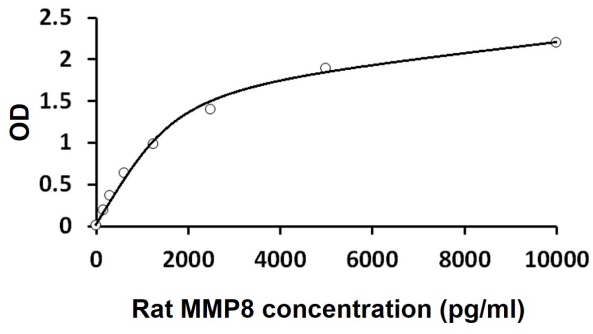
| | |
|------------|-----------|
| Assay Time | ~ 5 hours |
|------------|-----------|

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 | MMP8 |
| Gene Full Name | matrix metalloproteinase 8 |
| Background | This gene encodes a member of the matrix metalloproteinase (MMP) family of proteins. These proteins are involved in the breakdown of extracellular matrix in embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Proteolysis at different sites on this protein results in multiple active forms of the enzyme with distinct N-termini. This protein functions in the degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015] |
| Function | Can degrade fibrillar type I, II, and III collagens. [UniProt] |
| Highlight | Related products: MMP8 antibodies ; MMP8 ELISA Kits ; Related news: Detecting MMPs and their non-ECM substrates New ELISA data calculation tool: Simplify the ELISA analysis by GainData |



ARG81860 Rat MMP8 ELISA Kit standard curve image

ARG81860 Rat MMP8 ELISA Kit results of a typical standard run with optical density reading at 450 nm.