

ARG82625 Rat MMP3 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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| Product Description | ARG82625 Rat MMP3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat MMP3 in serum and plasma. |
| Tested Reactivity | Rat |
| Tested Application | ELISA |
| Specificity | The following recombinant Rat proteins were tested and exhibited no cross-reactivity or interference: ApoAI, BMP1, BMP2, BMP3, BMP4, BMP7, CRP, HGF, HSP27, IL1 alpha, IL1 RI, IL1 beta, IL1RA, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL13, IL15, IL17C, IL21, IL23, IFN gamma, MMP2, sIL2R, sIL6R, PDGF, PLA2G7, prolactin, TGF beta 1, TGF beta 2, TGF beta 3, TLR1, TLR2, TLR3, TNF alpha, TNF RI, TNF RII and VEGF. |
| Target Name | MMP3 |
| Conjugation | HRP |
| Conjugation Note | Read at 450 nm. |
| Sensitivity | 12.5 pg/ml |
| Sample Type | Serum and plasma. |
| Standard Range | 25 - 1600 pg/ml |
| Sample Volume | 100 µl |
| Precision | Intra-Assay CV: less than 10% Inter-Assay CV: less than 10% |
| Alternate Names | Transin-1; CHDS6; EC 3.4.24.17; SL-1; STMY1; Matrix metalloproteinase-3; STR1; STMY; MMP-3; Stromelysin-1 |

Application Instructions

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| Assay Time | ~ 2.5 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 | MMP3 |
| Gene Full Name | matrix metalloproteinase 3 |
| Background | Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular |

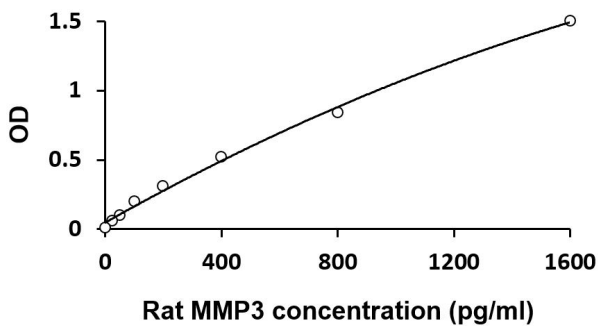
matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]

Function Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase. [UniProt]

Highlight Related products:
[MMP3 antibodies](#); [MMP3 ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG82625 Rat MMP3 ELISA Kit standard curve image

ARG82625 Rat MMP3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.