

ARG83007 Human MMP7 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

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| Product Description | ARG83007 Human MMP7 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human total MMP7 in serum, plasma (heparin), ascites, urine and cell culture supernatants. |
| Tested Reactivity | Hu |
| Tested Application | ELISA |
| Specificity | Not react with Mouse MMP1, MMP2, MMP3, MMP8, MMP9, MMP10, MMP13 |
| Target Name | MMP7 |
| Conjugation | HRP |
| Conjugation Note | Substrate: TMB and read at 450 nm. |
| Sensitivity | 31.25pg/ml |
| Sample Type | Serum, Plasma (heparin), Ascites, Urine and Cell culture supernatants |
| Standard Range | 62.5 - 4000pg/ml |
| Sample Volume | 100 µl |
| Precision | CV: less than 10% |
| Alternate Names | MMP-7; Uterine metalloproteinase; Matrix metalloproteinase-7; EC 3.4.24.23; Matrilysin; Matrin; Pump-1 protease; PUMP-1; MPSL1 |

Application Instructions

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|------------|-------------|
| Assay Time | ~ 3.5 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 | MMP7 |
| Gene Full Name | matrix metalloproteinase 7 |
| 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. The enzyme encoded by this gene degrades proteoglycans, fibronectin, elastin and casein and differs from most |

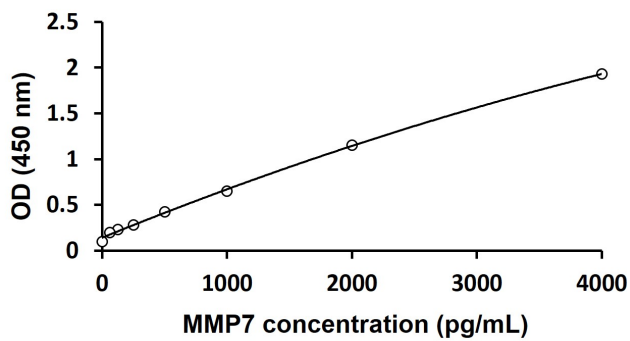
MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]

Function Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase. [UniProt]

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

Images



ARG83007 MMP7 ELISA kit standard curve image

ARG83007 MMP7 ELISA kit results of standard run with optical density reading at 450 nm