

## ARG82010 Human MMP7 (active) ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

| Cat. No.     | Component Name                 | Package              | Temp                                     |
|--------------|--------------------------------|----------------------|--|
| ARG82010-001 | Antibody-coated microplate     | 12 X 8 strips        | 4°C                                      |
| ARG82010-002 | Standard                       | 1 vial               | 4°C, store at -20°C after reconstitution |
| ARG82010-003 | Standard reconstitution buffer | 1.1 ml               | 4°C                                      |
| ARG82010-004 | HRP-antibody Conjugate (200X)  | 65 µl                | 4°C                                      |
| ARG82010-005 | Sample diluent                 | 15 ml                | 4°C                                      |
| ARG82010-006 | Assay buffer                   | 12 ml                | 4°C                                      |
| ARG82010-007 | Antibody diluent               | 12 ml                | 4°C                                      |
| ARG82010-008 | 10X Wash buffer                | 30 ml                | 4°C                                      |
| ARG82010-009 | TMB substrate                  | 12 ml (ready-to-use) | 4°C (Protect from light)                 |
| ARG82010-010 | Stop solution                  | 6 ml                 | 4°C                                      |
| ARG82010-011 | Plate sealer                   | 1 strip              | Room temperature                         |

### Summary

|                     |   |
|---------------------|---|
| Product Description | ARG82010 Human MMP7 (active) ELISA Kit is an Enzyme Immunoassay kit for the quantification of human MMP7 active form protein in serum, plasma, saliva, urine and cell culture supernatants. |
| Tested Reactivity   | Hu  |
| Tested Application  | ELISA   |
| Specificity         | No specific signal was detected when using pro-MMP7 recombinant protein (20 ng/ml)  |
| Target Name         | MMP7 (active)   |
| Conjugation         | HRP   |
| Conjugation Note    | Substrate: TMB and read at 450 nm.  |
| Sensitivity         | 0.102 ng/ml   |
| Sample Type         | Serum, plasma, saliva, urine and cell culture supernatants.   |
| Standard Range      | 0.3125 - 20 ng/ml   |
| Sample Volume       | 100 µl  |
| Precision           | Intra-Assay CV: 8.9%; Inter-Assay CV: 7.6%  |
| 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 | ~ 4 hours |
|------------|-----------|

## Properties

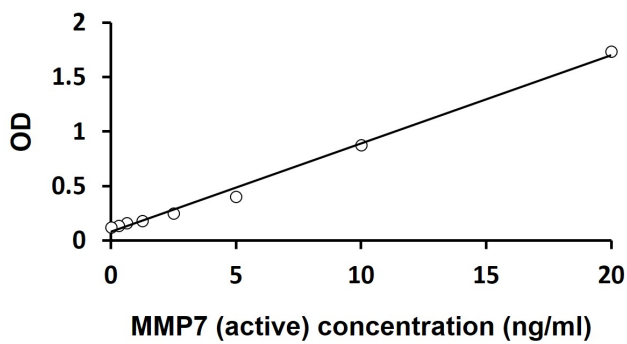
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|                     |  |
|---------------------|--|
| Form                | 96 well  |
| Storage instruction | Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light 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

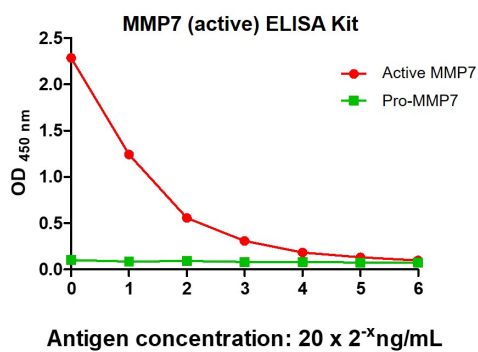
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|                       |   |
|-----------------------|---|
| Gene Symbol           | MMP7  |
| Gene Full Name        | matrix metalloproteinase 7  |
| Background            | <p>MMP7 is a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin 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 on chromosome 11. This gene exhibits elevated expression levels in multiple human cancers. [provided by RefSeq, Jan 2016]</p> |
| Function              | <p>MMP7 degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase. [UniProt]</p>  |
| Highlight             | <p>Related products:<br/><a href="#">MMP7 antibodies</a>; <a href="#">MMP7 ELISA Kits</a>;<br/>Related news:<br/><a href="#">New MMP7 (total or active) ELISA kits are released</a><br/><a href="#">Detecting MMPs and their non-ECM substrates</a><br/>New ELISA data calculation tool:<br/><a href="#">Simplify the ELISA analysis by GainData</a></p>  |
| Cellular Localization | Secreted, extracellular space, extracellular matrix. [UniProt]  |



ARG82010 Human MMP7 (active) ELISA Kit standard curve image

ARG82010 Human MMP7 (active) ELISA Kit results of a typical standard run with optical density reading at 450 nm.



ARG82010 Human MMP7 (active) ELISA Kit standard curve image

ARG82010 Human MMP7 (active) ELISA Kit results of a typical standard run with optical density reading at 450 nm. Red: Active MMP7; Green: Pro-MMP7.