

## Human Matrix Metalloproteinase 25 (MMP25) ELISA Kit | MMP25 elisa kit

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CATALOG #  
**AAA331745**

REACTIVITY  
**Human**

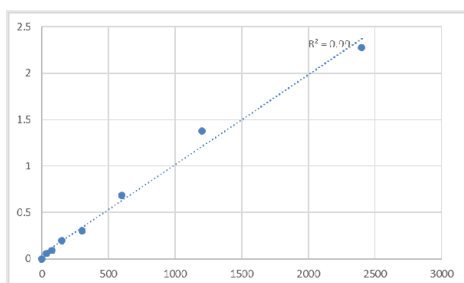
### PRODUCT SYNONYMS

Matrix Metalloproteinase 25 (MMP25); Human Matrix Metalloproteinase 25 (MMP25) ELISA Kit; MMP25; MMP20; MMP20A; MMPL1; MT-MMP6; MT6-MMP; leukolysin; matrix metalloproteinase-like 1; matrix metalloproteinase 20; matrix metalloproteinase 25; matrix metalloproteinase-like 1; membrane-type 6 matrix metal; MMP25 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | Human Matrix metalloproteinase 25 (MMP25) ELISA Kit has high sensitivity and excellent specificity for detection of Human MMP25. No significant cross-reactivity or interference between Human MMP25 and analogues was observed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sequence Length         | 562                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich ELISA (Quantitative)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Samples                 | Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Detection Method        | Colorimetric                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Usage Notes             | <ul style="list-style-type: none"> <li>* Do not mix components from different kit lots or use reagents beyond the kit expiration date.</li> <li>* Allow all reagents to warm to room temperature for at least 30 minutes before opening.</li> <li>* Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination.</li> <li>* Unused wells must be kept desiccated at 4 degree C in the sealed bag provided.</li> <li>* Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes.</li> <li>* It is recommended that all samples and standards be assayed in duplicate or triplicate.</li> </ul> |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### IMAGES



**Standard Curve (Sample)**

Fig.1. Human Matrix metalloproteinase 25 (MMP25) Standard Curve.

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MMP25 elisa kit | <p>Description: This Human Matrix metalloproteinase 25 (MMP25) ELISA Kit employs a two-site sandwich ELISA to quantitate MMP25 in samples. An antibody specific for MMP25 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP25 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP25 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MMP25 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>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 MMPs are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. However, the protein encoded by this gene is a member of the membrane-type MMP (MT-MMP) subfamily, attached to the plasma membrane via a glycosylphosphatidyl inositol anchor. In response to bacterial infection or inflammation, the encoded protein is thought to inactivate alpha-1 proteinase inhibitor, a major tissue protectant against proteolytic enzymes released by activated neutrophils, facilitating the transendothelial migration of neutrophils to inflammatory sites. The encoded protein may also play a role in tumor invasion and metastasis through activation of MMP2. The gene has previously been referred to as MMP20 but has been renamed MMP25.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | 12585274                                                                 |
| NCBI GeneID                      | 64386                                                                    |
| UniProt Accession #              | Q9NPA2                                                                   |
| NCBI Official Full Name          | Matrix metalloproteinase-25                                              |
| NCBI Official Synonym Full Names | matrix metalloproteinase 25                                              |
| NCBI Official Symbol             | MMP25                                                                    |
| NCBI Official Synonym Symbols    | MMP20; MMPL1; MMP-25; MMP20A; MT6MMP; MTMMP6; MT-MMP6; MT6-MMP; MT-MMP 6 |
| NCBI Protein Information         | matrix metalloproteinase-25                                              |
| UniProt Protein Name             | Matrix metalloproteinase-25                                              |
| UniProt Gene Name                | MMP25                                                                    |
| UniProt Synonym Gene Names       | MMP20; MMPL1; MT6MMP; MMP-25; MT-MMP 6; MTMMP6; MT6-MMP; MT6MMP          |
| UniProt Entry Name               | MMP25_HUMAN                                                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.