

## Human MMP-9 ELISA Kit | MMP-9 elisa kit

Human MMP-9 ELISA Kit

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|-------------------------------|----------------------------|------------------------------|
| CATALOG #<br><b>AAA332556</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA</b> |
|-------------------------------|----------------------------|------------------------------|

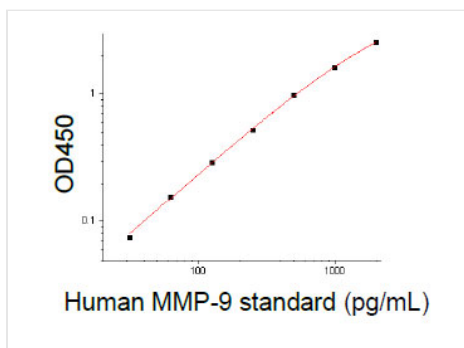
### PRODUCT SYNONYMS

MMP-9; Human MMP-9 ELISA Kit; MMP 9; MMP9; Matrix Metalloproteinase 9; GELB; Type V collagenase; Matrix metalloproteinase 9 (gelatinase B; 92kDa gelatinase; 92kDa type IV collagenase); MMP-9 elisa kit

### PRODUCT SPECIFICATIONS

|                                             |                                                                                                                                                                                                                      |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                  | Human                                                                                                                                                                                                                |
| Specificity                                 | Human MMP MMP-9 ELISA Kit has high sensitivity and excellent specificity for detection of Human MMP MMP-9. No significant cross cross-reactivity or interference between Human MMP MMP-9 and analogues was observed. |
| Assay Type                                  | Sandwich                                                                                                                                                                                                             |
| Samples                                     | Serum, Plasma, Cell culture supernatants                                                                                                                                                                             |
| Detection Range                             | 31.25 pg/mL-2,000 pg/mL                                                                                                                                                                                              |
| Applicable Applications for MMP-9 elisa kit | ELISA                                                                                                                                                                                                                |
| Intra-assay Precision                       | Intra-assay Precision: The CV (%)? 10%.                                                                                                                                                                              |
| Inter-assay Precision                       | Inter- assay Precision :The CV (%)?12%                                                                                                                                                                               |
| Preparation and Storage                     | The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.                                                                                                                 |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for MMP-9 elisa kit | Principle of the Assay: 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. Human MMP-9 ELISA Kit employs a double antibody sandwich method to quantitate Human MMP-9 in samples. An antibody specific for Human MMP-9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human MMP-9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Human MMP-9 is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450 nm wavelength. The MMP-9 concentration is proportional to the OD450 nm value. |
| Product Categories/Family for MMP-9 elisa kit   | ELISA Assay Kit; Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                              |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 74272287                                                                                                                                                                                                     |
| NCBI GeneID                      | 4318                                                                                                                                                                                                         |
| NCBI Accession #                 | NP_004985.2                                                                                                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_004994.2                                                                                                                                                                                                  |
| UniProt Accession #              | P14780; Q3LR70; Q8N725; Q9H4Z1; Q9UCJ9; Q9UCL1; Q9UDK2; B2R7V9                                                                                                                                               |
| Molecular Weight                 | 78,458 Da                                                                                                                                                                                                    |
| NCBI Official Full Name          | matrix metalloproteinase-9 preproprotein                                                                                                                                                                     |
| NCBI Official Synonym Full Names | matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)                                                                                                                       |
| NCBI Official Symbol             | MMP9                                                                                                                                                                                                         |
| NCBI Official Synonym Symbols    | GELB; CLG4B; MMP-9; MANDP2                                                                                                                                                                                   |
| NCBI Protein Information         | matrix metalloproteinase-9; 92 kDa gelatinase; type V collagenase; macrophage gelatinase; 92 kDa type IV collagenase; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase) |
| UniProt Protein Name             | Matrix metalloproteinase-9                                                                                                                                                                                   |
| UniProt Gene Name                | MMP9                                                                                                                                                                                                         |
| UniProt Synonym Gene Names       | CLG4B; MMP-9; GELB                                                                                                                                                                                           |
| UniProt Entry Name               | MMP9_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.