

## Chicken Matrix metalloproteinase 9 ELISA Kit | MMP-9 elisa kit

Chicken Matrix metalloproteinase 9 ELISA Kit

CATALOG #  
**AAA92536**

REACTIVITY  
**Chicken**

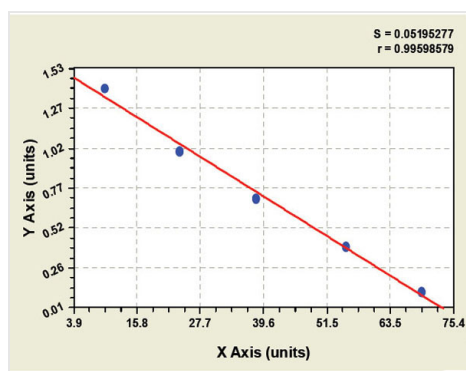
### PRODUCT SYNONYMS

Matrix metalloproteinase 9; Chicken Matrix metalloproteinase 9 ELISA Kit; MMP-9 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                    |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for MMP-9 elisa kit

**Intended Uses:** This MMP-9 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken MMP-9. This ELISA kit for research use only!

**Principle of the Assay:** MMP-9 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MMP-9 antibody and an MMP-9-HRP conjugate. The assay sample and buffer are incubated together with MMP-9-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MMP-9 concentration since MMP-9 from samples and MMP-9-HRP conjugate compete for the anti-MMP-9 antibody binding site. Since the number of sites is limited, as more sites are occupied by MMP-9 from the sample, fewer sites are left to bind MMP-9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MMP-9 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for MMP-9 elisa kit

Cancer

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; Q9Y354                                                                                                                                       |
| 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                | <b>MMP9</b>                                                                                                                                                                                                  |
| 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mmp-9-chicken-elisa-kits/matrix-metalloproteinase-9/92536>