

## Rat Matrix metalloproteinase-23 ELISA Kit | Mmp23 elisa kit

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CATALOG #  
**AAA56390**

REACTIVITY  
**Rat**

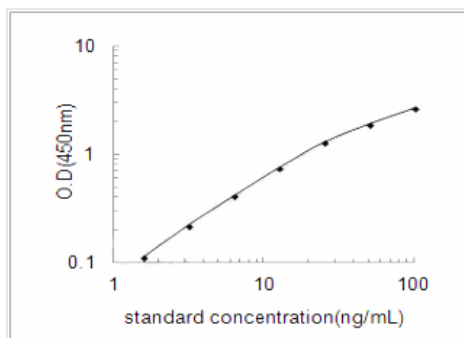
### PRODUCT SYNONYMS

Matrix metalloproteinase-23; Rat Matrix metalloproteinase-23 ELISA Kit; Mmp23 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                     |
| Specificity             | This assay recognizes recombinant and natural rat MMP-23. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 390                                                                                                                     |
| Assay Type              | Sandwich                                                                                                                |
| Detection Range         | 1.56-100 ng/ml                                                                                                          |
| Sensitivity             | 0.782 ng/mL                                                                                                             |
| Intra-Assay CV          | <=5.1%                                                                                                                  |
| Inter-Assay CV          | <=8.9%                                                                                                                  |
| Recovery                | 85%                                                                                                                     |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                     |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Mmp23 elisa kit

**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to MMP-23. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for MMP-23 and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain MMP-23, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of MMP-23 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                             |
|----------------------------------|-----------------------------|
| NCBI GI #                        | 16758396                    |
| NCBI GeneID                      | 94339                       |
| NCBI Accession #                 | NP_446058.1                 |
| NCBI GenBank Nucleotide #        | NM_053606.2                 |
| UniProt Accession #              | O88272                      |
| Molecular Weight                 | 44,618 Da                   |
| NCBI Official Full Name          | matrix metalloproteinase-23 |
| NCBI Official Synonym Full Names | matrix metalloproteinase 23 |
| NCBI Official Symbol             | Mmp23                       |
| NCBI Protein Information         | matrix metalloproteinase-23 |
| UniProt Protein Name             | Matrix metalloproteinase-23 |
| UniProt Gene Name                | <b>Mmp23</b>                |
| UniProt Synonym Gene Names       | Mifr; MMP-23; MIFR          |
| UniProt Entry Name               | MMP23_RAT                   |

**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.

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Online datasheet: <https://stage.aaabiotech.com/mmp23-rat-elisa-kits/matrix-metalloproteinase-23/56390>