

## Mouse Tissue Inhibitors of Metalloproteinase 2 ELISA Kit | TIMP-2 elisa kit

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CATALOG #  
**AAA97702**

REACTIVITY  
**Mouse**

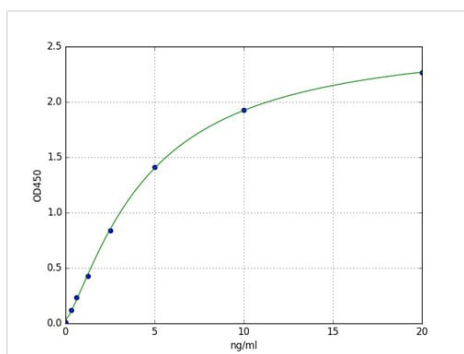
### PRODUCT SYNONYMS

Tissue Inhibitors of Metalloproteinase 2; Mouse Tissue Inhibitors of Metalloproteinase 2 ELISA Kit; TIMP-2/TIMP2/Metalloproteinase inhibitor 2/Tissue inhibitor of metalloproteinases 2; TIMP-2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                              |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                        |
| Sequence Length         | 218                                                                                                                                                          |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                              |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                         |
| Detection Range         | 0.313-20ng/ml                                                                                                                                                |
| Sensitivity             | 0.188ng/ml                                                                                                                                                   |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C |

### IMAGES



Standard Curve (Sample)

Results of a typical standard run of a Mouse TIMP-2 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

|   |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| X | ng/ml | 0     | 0.313 | 0.625 | 1.25  | 2.5   | 5     | 10    | 20    |
| Y | OD450 | 0.024 | 0.125 | 0.257 | 0.364 | 0.769 | 1.217 | 1.910 | 2.382 |

Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for TIMP-2 elisa kit

**Principle of the Assay**||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mouse TIMP-2 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse TIMP-2 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse TIMP-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse TIMP-2 can be calculated.

NCBI AND UNIPROT INFORMATION

|                         |                                         |
|-------------------------|-----------------------------------------|
| NCBI GI #               | 315585128                               |
| Molecular Weight        | 24,241 Da                               |
| NCBI Official Full Name | tissue inhibitor of metalloproteinase 2 |
| UniProt Protein Name    | Tissue inhibitor of metalloproteinase 2 |
| UniProt Gene Name       | timp2                                   |
| UniProt Entry Name      | E7D7N9_CTEID                            |

**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/timp-2-mouse-elisa-kits/tissue-inhibitors-of-metalloproteinase-2/97702>