

## Rat Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) CLIA Kit | TIMP1 clia kit

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CATALOG #  
**AAA141007**

REACTIVITY  
**Rat**

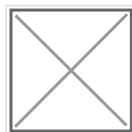
### PRODUCT SYNONYMS

Tissue Inhibitors Of Metalloproteinase 1 (TIMP1); Rat Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) CLIA Kit; EPO; CLGI; EPA; HCl; Erythroid Potentiating Activity; Collagenase Inhibitor; Metalloproteinase inhibitor 1; Fibroblast collagenase inhibitor; TIMP1 clia kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                       | This assay has high sensitivity and excellent specificity for detection of Tissue Inhibitors Of Metalloproteinase 1 (TIMP1).<br>No significant cross-reactivity or interference between Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) and analogues was observed.                                                                                                                                                                                                                       |
| Sequence Length                                   | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Assay Type                                        | Double-antibody Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Samples                                           | Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                       |
| Detection Range                                   | 41.2-30,000pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sensitivity                                       | 18.1pg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application                                       | Chemiluminescent immunoassay for Antigen Detection.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Intra-assay Precision (Precision within an assay) | 3 samples with low, middle and high level Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) were tested 20 times on one plate, respectively.                                                                                                                                                                                                                                                                                                                                                |
| Inter-assay Precision (Precision between assays)  | 3 samples with low, middle and high level Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) were tested on 3 different plates, 8 replicates in each plate.                                                                                                                                                                                                                                                                                                                                  |
| CV(%) =                                           | SD/meanX100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-Assay                                       | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-Assay                                       | CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                           | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for TIMP1 clia kit | The microplate provided in this kit has been pre-coated with an antibody specific to Tissue Inhibitors Of Metalloproteinase 1 (TIMP1). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Tissue Inhibitors Of Metalloproteinase 1 (TIMP1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) level in the sample or standard.; |
| Product Categories/Family for TIMP1 clia kit   | Tumor immunity; Infection immunity; Cardiovascular biology; Hepatology; Hormone metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 994731                                           |
| NCBI GeneID                      | 7076                                             |
| Molecular Weight                 | 23,171 Da                                        |
| NCBI Official Full Name          | tissue inhibitor of metalloproteinase 1, partial |
| NCBI Official Synonym Full Names | TIMP metalloproteinase inhibitor 1               |
| NCBI Official Symbol             | TIMP1                                            |
| NCBI Official Synonym Symbols    | EPA; EPO; HCI; CLGI; TIMP                        |
| NCBI Protein Information         | metalloproteinase inhibitor 1                    |
| UniProt Protein Name             | Metalloproteinase inhibitor 1                    |
| UniProt Gene Name                | TIMP1                                            |
| UniProt Synonym Gene Names       | CLGI; TIMP; EPA; Collagenase inhibitor; TIMP-1   |
| UniProt Entry Name               | TIMP1_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/rat-clia-kits/tissue-inhibitors-of-metalloproteinase-1-timp1/141007>