

Rat Tissue Inhibitors Of Metalloproteinase 4 (TIMP4) ELISA Kit | TIMP4 elisa kit

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CATALOG #
AAA66457

REACTIVITY
Rat

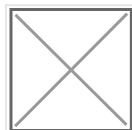
PRODUCT SYNONYMS

Tissue Inhibitors Of Metalloproteinase 4 (TIMP4); Rat Tissue Inhibitors Of Metalloproteinase 4 (TIMP4) ELISA Kit; TIMP Metalloproteinase Inhibitor 4; Tissue Inhibitor of Metalloproteinases 4; TIMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TIMP4. No significant cross-reactivity or interference between TIMP4 and analogues was observed.
Sequence Length	224
Samples	Serum, plasma, tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	78.125-5000pg/mL
Sensitivity	24pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TIMP4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TIMP4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP4 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TIMP4 in rat serum, plasma, tissue homogenates, cell lysates and other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TIMP4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TIMP4. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TIMP4, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of TIMP4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	157820749
NCBI GeneID	680130
NCBI Accession #	NP_001102863.1
NCBI GenBank Nucleotide #	NM_001109393.1
UniProt Accession #	P81556
Molecular Weight	25,723 Da
NCBI Official Full Name	metalloproteinase inhibitor 4
NCBI Official Synonym Full Names	tissue inhibitor of metalloproteinase 4
NCBI Official Symbol	Timp4
NCBI Protein Information	metalloproteinase inhibitor 4
UniProt Protein Name	Metalloproteinase inhibitor 4
UniProt Gene Name	Timp4
UniProt Synonym Gene Names	TIMP-4

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/rat-elisa-kits/tissue-inhibitors-of-metalloproteinase-4-timp4/66457>