

Rat TIMP-1 ELISA Kit | TIMP-1 elisa kit

Rat TIMP-1(Tissue Inhibitors of Metalloproteinase 1)ELISA Kit

CATALOG #
AAA21495

REACTIVITY
Rat

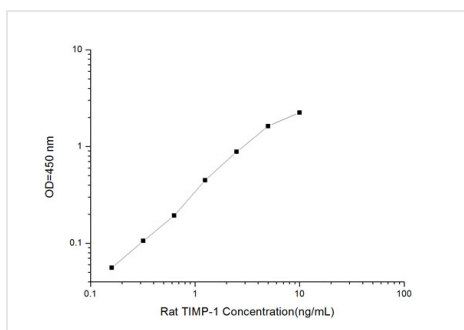
PRODUCT SYNONYMS

TIMP-1; Rat TIMP-1(Tissue Inhibitors of Metalloproteinase 1)ELISA Kit; TIMP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat TIMP-1 in samples. No significant cross-reactivity or interference between Rat TIMP-1 and analogues was observed.
Sequence Length	207
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat TIMP-1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat TIMP-1 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-1 elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat TIMP-1 concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat TIMP-1. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat TIMP-1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat TIMP-1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat TIMP-1. You can calculate the concentration of Rat TIMP-1 in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	546974
NCBI GeneID	282092
UniProt Accession #	P20414; Q3T098; Q53ZP2; Q9TVB0
Molecular Weight	23,032 Da
NCBI Official Full Name	TIMP-1
NCBI Official Synonym Full Names	TIMP metalloproteinase inhibitor 1<
NCBI Official Symbol	TIMP1
NCBI Protein Information	metalloproteinase inhibitor 1; EG-1; TIMP-1; embryogenin-1; tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor); tissue inhibitor of metalloproteinases 1
UniProt Protein Name	Metalloproteinase inhibitor 1
UniProt Gene Name	TIMP1
UniProt Synonym Gene Names	EG-1; TIMP-1
UniProt Entry Name	TIMP1_BOVIN

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/timp-1/21495>