

Mouse TIMP4 ELISA Kit | TIMP4 elisa kit

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CATALOG # AAA261653	REACTIVITY Mouse	APPLICATIONS ELISA
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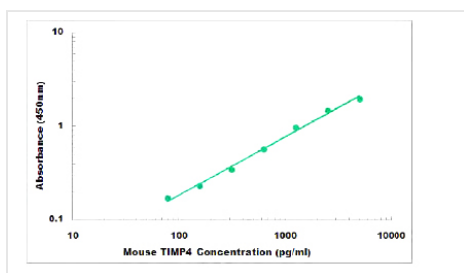
PRODUCT SYNONYMS

TIMP4; Mouse TIMP4 ELISA Kit; Metalloproteinase inhibitor 4; Tissue inhibitor of metalloproteinases 4; TIMP-4; TIMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse TIMP4 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse TIMP4 proteins within the range of 78 pg/ml - 5000 pg/ml.
Sequence Length	224
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for TIMP4 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP4 elisa kit	Principle of the Assay The Mouse TIMP4 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse TIMP4 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse TIMP4 coated on a 96-well plate. Standards and samples are pipetted into the wells and TIMP4 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse TIMP4 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of TIMP4 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Metalloproteinase inhibitor 4 is an enzyme that in humans is encoded by the TIMP4 gene. This gene belongs to the tissue inhibitor of metalloproteinases gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. TIMP4 gene is mapped to chromosome 3p25. TIMP4 gene contains 5 exons that span 6 kb of genomic DNA. The gene is expressed as a 1.4-kb transcript abundant in heart and present at low levels in several other tissues. Expressed TIMP4 inhibits MMPs in vitro. What's more, TIMP-4 binds both progelatinase A and the C domain in a similar manner to that of TIMP-2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3915135
NCBI GeneID	7079
UniProt Accession #	Q99727; B2R7K6
Molecular Weight	25,503 Da
NCBI Official Full Name	Metalloproteinase inhibitor 4
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 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
UniProt Entry Name	TIMP4_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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/timp4/261653>