

Rat Tissue Inhibitors of Metalloproteinase 3 ELISA Kit | TIMP-3 elisa kit

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CATALOG #
AAA102297

REACTIVITY
Rat

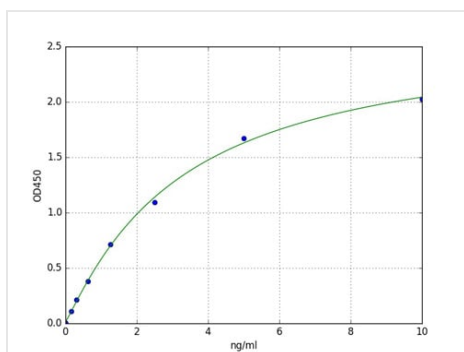
PRODUCT SYNONYMS

Tissue Inhibitors of Metalloproteinase 3; Rat Tissue Inhibitors of Metalloproteinase 3 ELISA Kit; TIMP-3/TIMP3/MIG-5 protein/Protein MIG-5/SFD/TIMP metalloproteinase inhibitor 3/tissue inhibitor of metalloproteinase 3; TIMP-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	31
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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)

Typical Data & Standard Curve

Results of a typical standard run of a Rat TIMP-3 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	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.036	0.190	0.284	0.463	0.852	1.225	1.628	2.144

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-3 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Rat TIMP-3 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat TIMP-3 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. HRP-Streptavidin 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 Rat TIMP-3 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat TIMP-3 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16923457
Molecular Weight	3,604 Da
NCBI Official Full Name	tissue inhibitor of metalloproteinase 3, partial
UniProt Protein Name	Tissue inhibitor of metalloproteinase 3
UniProt Gene Name	TIMP3
UniProt Entry Name	Q8WP05_ATECH

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-3-rat-elisa-kits/tissue-inhibitors-of-metalloproteinase-3/102297>