

Human Tissue Inhibitor of Metalloproteinases 1 ELISA Kit | TIMP 1 elisa kit

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CATALOG #
AAA83104

REACTIVITY
Human

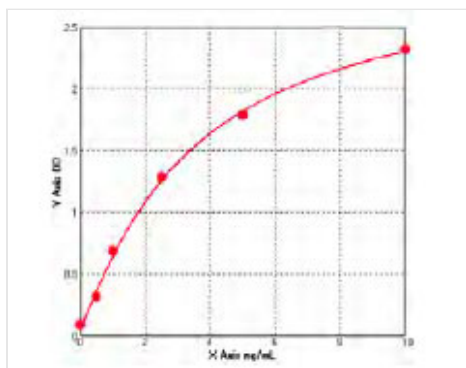
PRODUCT SYNONYMS

Tissue Inhibitor of Metalloproteinases 1; Human Tissue Inhibitor of Metalloproteinases 1 ELISA Kit; TIMP 1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Highest Standards	10ng/mL
Concentration of Standards	Concentration of Standards
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP 1 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This TIMP-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human TIMP-1. This ELISA kit for research use only 2. PRINCIPLE OF THE ASSAY TIMP-1 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for TIMP-1 Standards or samples are then added to the microtiter plate wells and TIMP-1 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of TIMP-1 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for TIMP-1 are added to each well to "sandwich" the TIMP-1 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain TIMP-1 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIMP-1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TIMP 1 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	546974
NCBI GeneID	282092
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 metalloproteinases 1; tissue inhibitor of metalloproteinase 1 (erythroid potentiating activity, collagenase inhibitor)
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/timp-1-human-elisa-kits/tissue-inhibitor-of-metalloproteinases-1/83104>