

Mouse Tissue inhibitors of metalloproteinase 2 ELISA Kit | TIMP-2 elisa kit

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CATALOG #
AAA83429

REACTIVITY
Mouse

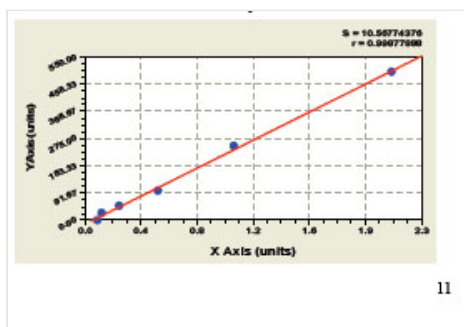
PRODUCT SYNONYMS

Tissue inhibitors of metalloproteinase 2; Mouse Tissue inhibitors of metalloproteinase 2 ELISA Kit; TIMP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This TIMP-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse TIMP-2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-2 elisa kit

Principle of the Assay: TIMP-2 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for TIMP-2. Standards or samples are then added to the microtiter plate wells and TIMP-2 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of TIMP-2 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for TIMP-2 are added to each well to "sandwich" the TIMP-2 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-2 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-2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	619233
NCBI GeneID	29543
Molecular Weight	24,356 Da
NCBI Official Full Name	tissue inhibitor of metalloproteinase type 2
NCBI Official Synonym Full Names	TIMP metalloproteinase inhibitor 2
NCBI Official Symbol	Timp2
NCBI Protein Information	metalloproteinase inhibitor 2; TIMP-2; tissue inhibitor of metalloproteinase 2; tissue inhibitor of metalloproteinases 2
UniProt Protein Name	Metalloproteinase inhibitor 2
UniProt Gene Name	Timp2
UniProt Synonym Gene Names	Timp-2; TIMP-2
UniProt Entry Name	TIMP2_RAT

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-2-mouse-elisa-kits/tissue-inhibitors-of-metalloproteinase-2/83429>