

Porcine Tissue inhibitors of metalloproteinase 4 ELISA Kit | TIMP-4 elisa kit

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CATALOG #
AAA92357

REACTIVITY
Porcine

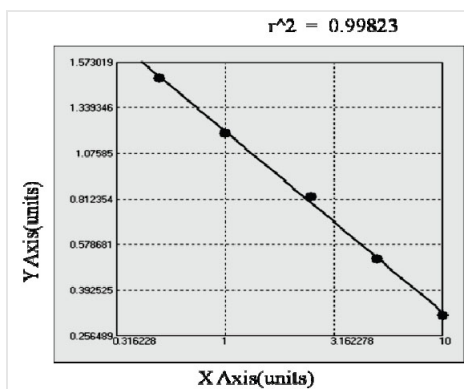
PRODUCT SYNONYMS

Tissue inhibitors of metalloproteinase 4; Porcine Tissue inhibitors of metalloproteinase 4 ELISA Kit; TIMP-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This TIMP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine TIMP4. 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-4 elisa kit

Principle of the Assay: TIMP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TIMP4 antibody and an TIMP4-HRP conjugate. The assay sample and buffer are incubated together with TIMP4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the TIMP4 concentration since TIMP4 from samples and TIMP4-HRP conjugate compete for the anti-TIMP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by TIMP4 from the sample, fewer sites are left to bind TIMP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIMP4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6572670
Molecular Weight	19,831 Da
NCBI Official Full Name	tissue inhibitor of metalloproteinase-4, partial
UniProt Protein Name	Tissue inhibitor of metalloproteinase-4
UniProt Gene Name	TIMP-4
UniProt Entry Name	Q9TTB6_PIG

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-4-porcine-elisa-kits/tissue-inhibitors-of-metalloproteinase-4/92357>