

Bovine Tissue inhibitors of metalloproteinase 3 ELISA Kit | TIMP-3 elisa kit

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CATALOG #
AAA90143

REACTIVITY
Bovine

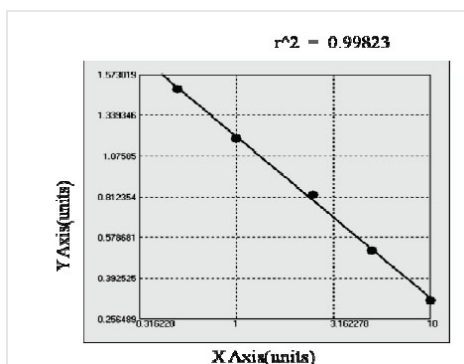
PRODUCT SYNONYMS

Tissue inhibitors of metalloproteinase 3; Bovine Tissue inhibitors of metalloproteinase 3 ELISA Kit; TIMP-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This TIMP-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine TIMP-3. 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-3 elisa kit

Principle of the Assay: TIMP-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TIMP-3 antibody and an TIMP-3-HRP conjugate. The assay sample and buffer are incubated together with TIMP-3-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 TIMP-3 concentration since TIMP-3 from samples and TIMP-3-HRP conjugate compete for the anti-TIMP-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by TIMP-3 from the sample, fewer sites are left to bind TIMP-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIMP-3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TIMP-3 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	998826
NCBI GeneID	7078
Molecular Weight	24,145 Da
NCBI Official Full Name	TIMP-3
NCBI Official Synonym Full Names	TIMP metalloproteinase inhibitor 3
NCBI Official Symbol	TIMP3
NCBI Official Synonym Symbols	SFD; K222; K222TA2; HSMRK222
NCBI Protein Information	metalloproteinase inhibitor 3; TIMP-3; MIG-5 protein; protein MIG-5; tissue inhibitor of metalloproteinases 3
UniProt Protein Name	Metalloproteinase inhibitor 3
UniProt Gene Name	TIMP3
UniProt Synonym Gene Names	TIMP-3
UniProt Entry Name	TIMP3_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://stage.aaabiotech.com/timp-3-bovine-ovine-elisa-kits/tissue-inhibitors-of-metalloproteinase-3/90143>