

Sheep Tissue Inhibitor of Metalloproteinases 1 ELISA Kit | TIMP-1 elisa kit

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CATALOG #
AAA92130

REACTIVITY
Sheep

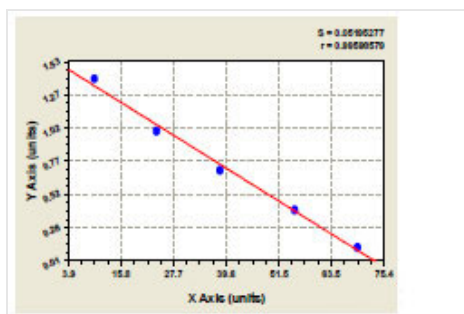
PRODUCT SYNONYMS

Tissue Inhibitor of Metalloproteinases 1; Sheep Tissue Inhibitor of Metalloproteinases 1 ELISA Kit; TIMP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for TIMP-1 elisa kit

Intended Uses: This TIMP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TIMP1. This ELISA kit for research use only!

Principle of the Assay: TIMP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-TIMP1 antibody and an TIMP1-HRP conjugate. The assay sample and buffer are incubated together with TIMP1-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 TIMP1 concentration since TIMP1 from samples and TIMP1-HRP conjugate compete for the anti-TIMP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TIMP1 from the sample, fewer sites are left to bind TIMP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIMP1 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/timp-1-sheep-elisa-kits/tissue-inhibitor-of-metalloproteinases-1/92130>