

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

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CATALOG # AAA89581	REACTIVITY Sheep
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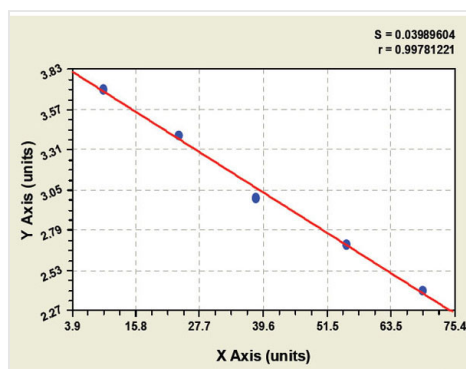
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This TIMP-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TIMP-4. 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: TIMP-4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TIMP-4 antibody and an TIMP-4-HRP conjugate. The assay sample and buffer are incubated together with TIMP-4-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-4 concentration since TIMP-4 from samples and TIMP-4-HRP conjugate compete for the anti-TIMP-4 antibody binding site. Since the number of sites is limited, as more sites are occupied by TIMP-4 from the sample, fewer sites are left to bind TIMP-4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIMP-4 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TIMP-4 elisa kit	Cancer

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-sheep-elisa-kits/tissue-inhibitors-of-metalloproteinase-4/89581>