

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

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CATALOG #
AAA91899

REACTIVITY
Chicken

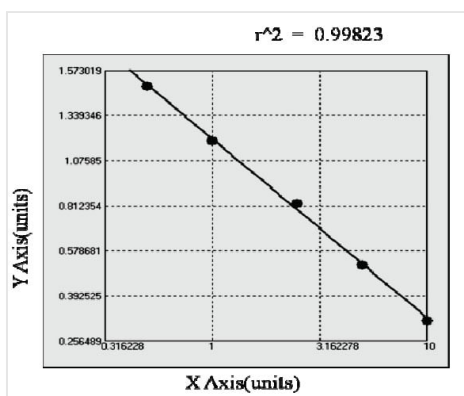
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
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

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This TIMP-4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken TIMP-4. This ELISA kit for research use only!

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
NCBI Official Full Name	tissue inhibitor of metalloproteinase-4

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-4-chicken-elisa-kits/tissue-inhibitors-of-metalloproteinase-4/91899>