Canine Tissue inhibitors of metalloproteinase 2 ELISA Kit | TIMP-2 elisa kit

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CATALOG #	REACTIVITY
AAA17019	**Canine**

PRODUCT SYNONYMS

Tissue inhibitors of metalloproteinase 2; Canine Tissue inhibitors of metalloproteinase 2 ELISA Kit; TIMP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This TIMP-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TIMP-2. 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-2 elisa kit	**Principle of the assay:** TIMP-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TIMP-2 antibody and an TIMP-2-HRP conjugate. The assay sample and buffer are incubated together with TIMP-2-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-2 concentration since TIMP-2 from samples and TIMP-2-HRP conjugate compete for the anti-TIMP-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by TIMP-2 from the sample, fewer sites are left to bind TIMP-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIMP-2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for TIMP-2 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	619233
NCBI GeneID	29543

Molecular Weight	24,356 Da
NCBI Official Full Name	tissue inhibitor of metalloproteinase type 2
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 2
NCBI Official Symbol	Timp2
NCBI Protein Information	metalloproteinase inhibitor 2; TIMP-2; tissue inhibitor of metalloproteinase 2; tissue inhibitor of metalloproteinases 2
UniProt Protein Name	Metalloproteinase inhibitor 2
UniProt Gene Name	**Timp2**
UniProt Synonym Gene Names	Timp-2; TIMP-2
UniProt Entry Name	TIMP2_RAT

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-2-canine-elisa-kits/tissue-inhibitors-of-metalloproteinase-2/17019