

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

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CATALOG #
AAA90772

REACTIVITY
Canine

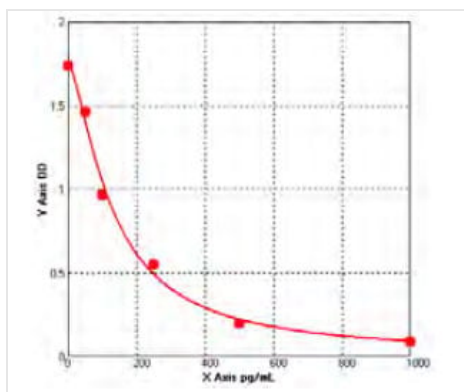
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of TIMP-1. No significant cross-reactivity or interference between TIMP-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between TIMP-1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-1 elisa kit	Intended Uses: This TIMP-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine TIMP-1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: TIMP-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-TIMP-1 antibody and an TIMP-1-HRP conjugate. The assay sample and buffer are incubated together with TIMP-1-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-1 concentration since TIMP-1 from samples and TIMP-1-HRP conjugate compete for the anti-TIMP-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by TIMP-1 from the sample, fewer sites are left to bind TIMP-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIMP-1 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.

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Online datasheet: <https://stage.aaabiotech.com/timp-1-canine-elisa-kits/tissue-inhibitor-of-metalloproteinases-1/90772>