

Canine Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) ELISA Kit | TIMP1 elisa kit

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CATALOG #
AAA14013

REACTIVITY
Canine

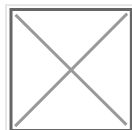
PRODUCT SYNONYMS

Tissue Inhibitors Of Metalloproteinase 1 (TIMP1); Canine Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) ELISA Kit; EPO; CLGI; EPA; HCl; Erythroid Potentiating Activity; Collagenase Inhibitor; Metalloproteinase inhibitor 1; Fibroblast collagenase inhibitor; TIMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of TIMP1. No significant cross-reactivity or interference between TIMP1 and analogues was observed.
Sequence Length	207
Assay Type	Quantitative Sandwich
Samples	Canine serum, plasma, tissue homogenates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.066ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TIMP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TIMP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP1 elisa kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TIMP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TIMP1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TIMP1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of TIMP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TIMP1 in canine serum, plasma, tissue homogenates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50978922
NCBI GeneID	403816
NCBI Accession #	NP_001003182.1
NCBI GenBank Nucleotide #	NM_001003182.1
UniProt Accession #	P81546; Q9TQS5
Molecular Weight	22,852 Da
NCBI Official Full Name	metalloproteinase inhibitor 1
NCBI Official Symbol	TIMP1
NCBI Official Synonym Symbols	TIMP-1
NCBI Protein Information	metalloproteinase inhibitor 1
UniProt Protein Name	Metalloproteinase inhibitor 1
UniProt Gene Name	TIMP1
UniProt Synonym Gene Names	TIMP-1

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/canine-elisa-kits/tissue-inhibitors-of-metalloproteinase-1-timp1/14013>