Canine Tissue Inhibitors Of Metalloproteinase 2 (TIMP2) ELISA Kit | TIMP2 elisa kit

Canine Tissue Inhibitors Of Metalloproteinase 2 (TIMP2) ELISA Kit

CATALOG #	REACTIVITY
AAA64698	**Canine**

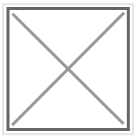
PRODUCT SYNONYMS

Tissue Inhibitors Of Metalloproteinase 2 (TIMP2); Canine Tissue Inhibitors Of Metalloproteinase 2 (TIMP2) ELISA Kit; CSC-21K; TIMP Metallopeptidase Inhibitor 2; TIMP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of TIMP2. No significant cross-reactivity or interference between TIMP2 and analogues was observed.
Sequence Length	220
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	6.25-400ng/mL
Sensitivity	1.5ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TIMP2 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 TIMP2 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 TIMP2 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TIMP2 in canine serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TIMP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TIMP2. 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 TIMP2, 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 TIMP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50978760
NCBI GeneID	403633
NCBI Accession #	NP_001003082.1
NCBI GenBank Nucleotide #	NM_001003082.1
UniProt Accession #	Q9TTY1; O77804; Q9TTE9
Molecular Weight	24,297 Da
NCBI Official Full Name	metalloproteinase inhibitor 2
NCBI Official Symbol	TIMP2
NCBI Protein Information	metalloproteinase inhibitor 2
UniProt Protein Name	Metalloproteinase inhibitor 2
UniProt Gene Name	**TIMP2**
UniProt Synonym Gene Names	TIMP-2

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/canine-elisa-kits/tissue-inhibitors-of-metalloproteinase-2-timp2/64698