

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

Rat Tissue Inhibitors Of Metalloproteinase 2 (TIMP2) Wide-range ELISA Kit

CATALOG #
AAA147500

REACTIVITY
Rat

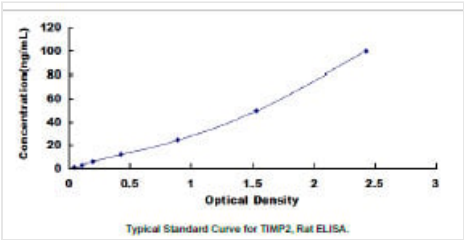
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Wide-range Tissue Inhibitors Of Metalloproteinase 2 (TIMP2). No significant cross-reactivity or interference between Wide-range Tissue Inhibitors Of Metalloproteinase 2 (TIMP2) and analogues was observed.
Sequence Length	220
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.57ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Wide-range Tissue Inhibitors Of Metalloproteinase 2 (TIMP2) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Wide-range Tissue Inhibitors Of Metalloproteinase 2 (TIMP2) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP2 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Wide Tissue Inhibitors Of Metalloproteinase 2 (TIMP2). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Wide-range Tissue Inhibitors Of Metalloproteinase 2 (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 Wide-range Tissue Inhibitors Of Metalloproteinase 2 (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 Wide-range Tissue Inhibitors Of Metalloproteinase 2 (TIMP2) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for TIMP2 elisa kit	Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	11464979
NCBI GeneID	29543
NCBI Accession #	NP_068824.1
NCBI GenBank Nucleotide #	NM_021989.2
UniProt Accession #	P30121; Q546J4
Molecular Weight	24,356 Da
NCBI Official Full Name	metalloproteinase inhibitor 2
NCBI Official Synonym Full Names	TIMP 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; 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.