

Human TIMP2 ELISA Kit | TIMP2 elisa kit

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CATALOG # AAA105913	REACTIVITY Human	APPLICATIONS ELISA
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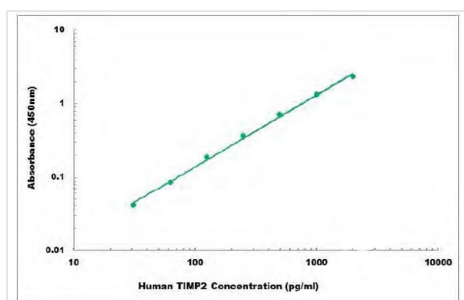
PRODUCT SYNONYMS

TIMP2; Human TIMP2 ELISA Kit; Metalloproteinase inhibitor 2; CSC-21K; Tissue inhibitor of metalloproteinases 2; TIMP-2; TIMP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human TIMP2 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human TIMP2 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	220
Samples	Cell culture supernatants, serum, plasma
Sensitivity	< 15 pg/ml
Applicable Applications for TIMP2 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP2 elisa kit	Principle of the Assay: The AAA Biotech' Human TIMP2 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human TIMP2 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human TIMP2 coated on a 96-well plate. Standards and samples are pipetted into the wells and TIMP2 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human TIMP2 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of TIMP2 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: TIMP2 gen is encoded by 5 exons spanning 83 kb of genomic DNA. TIMP2 is 83 kilobase pairs (kb) long with exon-intron splicing sites located in preserved positions among the three members of the TIMP family. The gene for tissue inhibitor of metalloproteinases-2 is localized on human chromosome arm 17q25. TIMP-2 abrogates angiogenic factor-induced endothelial cell proliferation in vitro and angiogenesis in vivo independent of MMP inhibition.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507511
NCBI GeneID	7077
NCBI Accession #	NP_003246.1
NCBI GenBank Nucleotide #	NM_003255.4
UniProt Accession #	P16035; Q16121; Q93006; Q9UDF7; Q96MC4
Molecular Weight	24,399 Da
NCBI Official Full Name	metalloproteinase inhibitor 2
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 2
NCBI Official Symbol	TIMP2
NCBI Official Synonym Symbols	DDC8; CSC-21K; KIAA1731NL
NCBI Protein Information	metalloproteinase inhibitor 2; TIMP-2; KIAA1731 N-terminal like protein; 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
UniProt Entry Name	TIMP2_HUMAN

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.