

Human TIMP-2 ELISA Kit | TIMP-2 elisa kit

Human TIMP-2 PicoKine Fast ELISA Kit

CATALOG #
AAA125333

REACTIVITY
Human

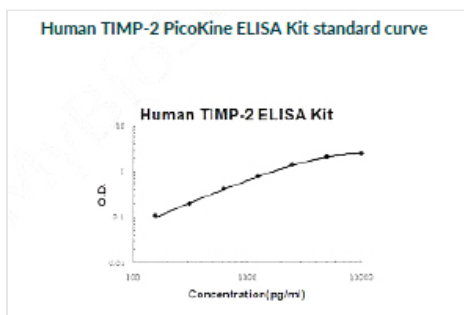
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TIMP2
Sequence Length	220
Samples	Cell culture supernates, serum, plasma(heparin, EDTA) and saliva
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<2pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-2 elisa kit	Principle of the Assay: The Picokine™ Human TIMP2 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human TIMP2 with a 96-well strip plate that is pre-coated with antibody specific for TIMP2. The detection antibody is a biotinylated antibody specific for TIMP2. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human TIMP2 with immunogen: Expression system for standard: CHO; Immunogen sequence: C27-P220. The kit is analytically validated with ready to use reagents. To measure Human TIMP2, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human TIMP2 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human TIMP2 in the sample.!!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. The standard product used in this kit is recombinant human TIMP-2 with the molecular mass of 22Kda and 194 amino acid.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507511
NCBI GeneID	7077
NCBI Accession #	NP_003246.1
NCBI GenBank Nucleotide #	NP_003246.1
UniProt Accession #	P16035
NCBI Official Full Name	metalloproteinase inhibitor 2
NCBI Official Synonym Full Names	TIMP metalloproteinase inhibitor 2
NCBI Official Symbol	TIMP2
NCBI Official Synonym Symbols	DDC8; CSC-21K
NCBI Protein Information	metalloproteinase inhibitor 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/timp-2/125333>