

Human Metalloproteinase Inhibitor 2 ELISA Kit | TIMP2 elisa kit

Human Metalloproteinase Inhibitor 2 ELISA Kit

CATALOG #
AAA266530

REACTIVITY
Human

PRODUCT SYNONYMS

Metalloproteinase Inhibitor 2; Human Metalloproteinase Inhibitor 2 ELISA Kit; TIMP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	sandwich
Samples	cell culture supernates, serum, plasma (heparin, EDTA) and saliva
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<2pg/ml
Detection Target	Metalloproteinase Inhibitor 2
Immunogen Sequence	380
Cross-Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice)

ADDITIONAL INFORMATION

Related Product Information for TIMP2 elisa kit

This Human Metalloproteinase Inhibitor 2 ELISA Kit is intended for quantitative detection of human TIMP-2 in cell culture supernates, serum, plasma (heparin, EDTA) and saliva. Strip well format. Reagents for up to 96 tests. This human TIMP-2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TIMP-2 has been precoated onto 96-well plates. Standards (CHO, C27-P220) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TIMP-2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human TIMP-2 amount of sample captured in plate

The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. Expression system for standard: 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 #	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 metalloproteinase inhibitor 2
NCBI Official Symbol	TIMP2
NCBI Official Synonym Symbols	DDC8; CSC-21K
NCBI Protein Information	metalloproteinase inhibitor 2; TIMP-2; 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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/metalloproteinase-inhibitor-2/266530>