

Human Tissue Inhibitors Of Metalloproteinase 4 (TIMP4) ELISA Kit | TIMP4 elisa kit

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CATALOG #
AAA330542

REACTIVITY
Human

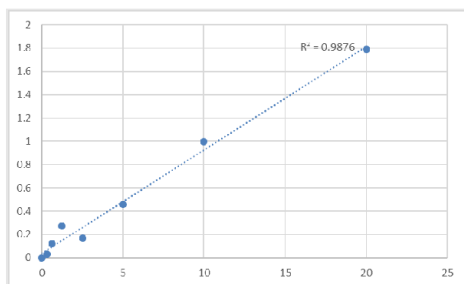
PRODUCT SYNONYMS

Tissue Inhibitors Of Metalloproteinase 4 (TIMP4); Human Tissue Inhibitors Of Metalloproteinase 4 (TIMP4) ELISA Kit; TIMP4; Tissue inhibitor of metalloproteinase 4; TIMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tissue inhibitors of metalloproteinase 4 (TIMP4) ELISA Kit has high sensitivity and excellent specificity for detection of Human TIMP4. No significant cross-reactivity or interference between Human TIMP4 and analogues was observed.
Sequence Length	224
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Tissue inhibitors of metalloproteinase 4 (TIMP4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TIMP4 elisa kit	Description: This Human Tissue inhibitors of metalloproteinase 4 (TIMP4) ELISA Kit employs a two-site sandwich ELISA to quantitate TIMP4 in samples. An antibody specific for TIMP4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TIMP4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TIMP4 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TIMP4 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Leco et al. (1997) cloned cDNAs encoding mouse Timp4. The predicted Timp4 protein contains the hallmarks of TIMP proteins, including 12 conserved cysteine residues and 2 short conserved sequence motifs. Northern blot analysis of adult mouse tissues detected Timp4 expression in brain, heart, ovary, and skeletal muscle. Olson et al., 1998 determined that the TIMP4 gene contains 5 exons that span 6 kb of genomic DNA. They demonstrated a high degree of conservation of gene structure in the TIMP family. By FISH, Olson et al., 1998 mapped the TIMP4 gene to chromosome 3p25. By interspecific backcross analysis, they mapped the mouse Timp4 gene to chromosome 6 in a region of syntenic homology with human chromosome 3.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507515
NCBI GeneID	7079
NCBI Accession #	NP_003247.1
NCBI GenBank Nucleotide #	NP_003247.1
UniProt Accession #	Q99727
NCBI Official Full Name	metalloproteinase inhibitor 4
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 4
NCBI Official Symbol	TIMP4
NCBI Official Synonym Symbols	TIMP-4
NCBI Protein Information	metalloproteinase inhibitor 4
UniProt Protein Name	Metalloproteinase inhibitor 4
UniProt Gene Name	TIMP4
UniProt Synonym Gene Names	TIMP-4
UniProt Entry Name	TIMP4_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://stage.aaabiotech.com/human-elisa-kits/tissue-inhibitors-of-metalloproteinase-4-timp4/330542>