

Human TIMP-4 ELISA Kit | TIMP4 elisa kit

Human TIMP-4 PicoKine ELISA Kit

CATALOG #
AAA46005

REACTIVITY
Human

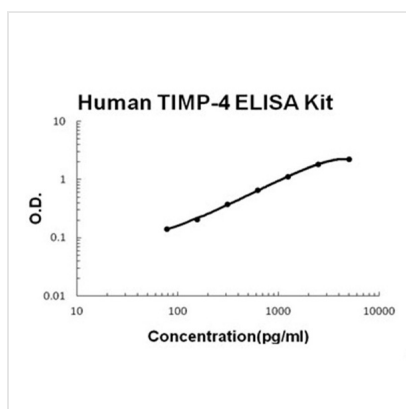
PRODUCT SYNONYMS

TIMP-4; Human TIMP-4 PicoKine ELISA Kit; Metalloproteinase inhibitor 4; TIMP metalloproteinase inhibitor 4; TIMP 4; Tissue inhibitor of metalloproteinase 4; Tissue inhibitor of metalloproteinases 4; TIMP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human TIMP-4. This kit detects recombinant human TIMP-4 in both free and MMP-bound forms.
Sequence Length	224
Samples	Cell culture supernates, serum, plasma (heparin, EDTA) and human milk
Assay Type	Sandwich
Detection Range	78pg/ml-5,000pg/ml
Sensitivity	< 10pg/ml
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.)

IMAGES



Standard Curve (Sample)

Human TIMP-4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for TIMP4 elisa kit	Principle of the assay: human TIMP-4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for TIMP-4 has been precoated onto 96-well plates. Standards(sf21, C30-P224) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for TIMP-4 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-4 amount of sample captured in plate. Background: Tissue inhibitor of metalloproteinases 4, also called Metalloproteinase inhibitor 4, is an enzyme that in humans is encoded by the TIMP4 gene. This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. This gene is mapped to 3p25.2. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play role in hormonal regulation and endometrial tissue remodeling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3915135
NCBI GeneID	7079
UniProt Accession #	Q99727; B2R7K6
Molecular Weight	25,503 Da
NCBI Official Full Name	Metalloproteinase inhibitor 4
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 4
NCBI Official Symbol	TIMP4
NCBI Protein Information	metalloproteinase inhibitor 4; TIMP-4; tissue inhibitor of metalloproteinase 4; tissue inhibitor of metalloproteinases 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://www.aaabiotech.com/timp4-human-elisa-kits/timp-4/46005>