

TIMP-3 elisa kit

Horse equine TIMP-3 PicoKine ELISA Kit

CATALOG # AAA124796	REACTIVITY Equine There is no detectable cross-reactivity with other relevant proteins.	APPLICATIONS ELISA
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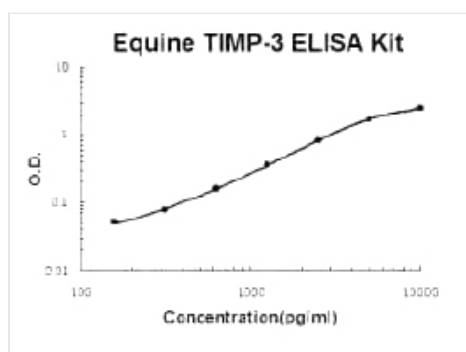
PRODUCT SYNONYMS

TIMP-3; Horse equine TIMP-3 PicoKine ELISA Kit; Metalloproteinase inhibitor 3; Protein MIG-5; Tissue inhibitor of metalloproteinases 3; TIMP3; TIMP-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Equine There is no detectable cross-reactivity with other relevant proteins.
Specificity	Natural and recombinant 216 Horse equine TIMP-3
Sequence Length	211
Assay Type	Quantitative Sandwich
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<2pg/ml
Applicable Applications for TIMP-3 elisa kit	ELISA
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration weretested on one plate to assess intra-assay precision
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration weretested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-3 elisa kit	Principle of the Assay: 216 Horse equine TIMP-3 ELISA Kit was based on standard sandwich enzyme-linked immune- sorbent assay technology. A monoclonal antibody from mouse specific for Horse equine TIMP-3 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: C24-P211) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Horse equine TIMP-3 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 216 Horse equine TIMP-3 amount of sample captured in plate. Background: The tissue inhibitors of metalloproteinases(TIMPs) are natural inhibitors of the matrix metalloproteinases, a group of zinc-binding endopeptidases involved in the degradation of the extracellular matrix. The TIMP3 gene is expressed in many tissues, with highest expression in the placenta. TIMP3 encodes a potent angiogenesis inhibitor and is mutated in Sorsby fundus dystrophy, a macular degenerative disease with submacular choroidal neovascularization. TIMP3 gene is mapped to 22q12.1-q13.2. Mutations in TIMP3 cause the autosomal dominant disorder Sorsby's fundus dystrophy(SFD).
Product Categories/Family for TIMP-3 elisa kit	Cell Biology; Apoptosis; Extracellular Signals; Granzymes; Cardiovascular; Angiogenesis; Adhesion/ECM; Matrix Metalloproteinases; TIMP; Signal Transduction; Cytoskeleton/ECM; Extracellular Matrix; ECM Enzymes; MMP Inhibitors; Neuroscience; Sensory System

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507513
NCBI GeneID	7078
NCBI Accession #	NP_000353.1
NCBI GenBank Nucleotide #	NM_000362.4
UniProt Accession #	P35625; Q5THV4; Q9UC74; Q9UGS2; B2RBY9
Molecular Weight	24145 MW
NCBI Official Full Name	metalloproteinase inhibitor 3
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 3
NCBI Official Symbol	TIMP3
NCBI Official Synonym Symbols	SFD; K222; K222TA2; HSMRK222
NCBI Protein Information	metalloproteinase inhibitor 3
UniProt Protein Name	Metalloproteinase inhibitor 3
UniProt Gene Name	TIMP3
UniProt Synonym Gene Names	TIMP-3

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/equine-elisa-kits/timp-3/124796>