

Human TIMP metalloproteinase inhibitor 1 ELISA Kit | TIMP1 elisa kit

Human Tissue Inhibitor Of Matrix Metalloprotease-1, TIMP-1 ELISA Kit

CATALOG #
AAA80549

REACTIVITY
Human

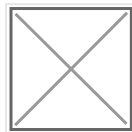
PRODUCT SYNONYMS

TIMP metalloproteinase inhibitor 1; Human Tissue Inhibitor Of Matrix Metalloprotease-1; TIMP-1 ELISA Kit; Human Tissue Inhibitor Of Matrix Metalloprotease-1 (TIMP-1) ELISA KIT; RP1-230G1.3; CLGI; EPA; EPO; FLJ90373; HCI; TIMP; erythroid potentiating activity; fibroblast collagenase inhibitor; tissue inhibitor of metalloproteinase 1; Human Tissue Inhibitor Of Matrix Metalloprotease-1 (TIMP-1); TIMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human TIMP1. No significant cross-reactivity or interference between Human TIMP1 and analogues was observed.
Sequence Length	207
Samples	Serum, plasma, tissue homogenates
Assay Type	Competitive
Detection Range	0.39 ng/ml-25 ng/ml
Sensitivity	0.434 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Cardiovascular
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP1 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. An antibody specific to TIMP-1 has been pre-coated onto a microplate. Standards or samples are added to the appropriate microtiter plate wells with HRP-conjugated TIMP-1 and incubated. A competitive inhibition reaction is launched between TIMP-1 (Standards or samples) and HRP-conjugated TIMP-1 with the pre-coated antibody specific for TIMP-1. The more amount of TIMP-1 in samples, the less antibody bound by HRP-conjugated TIMP-1. Then the substrate solutions are added to the wells, respectively. And the color develops in opposite to the amount of TIMP-1 in the sample. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507509
NCBI GeneID	7076
NCBI Accession #	NP_003245.1
NCBI GenBank Nucleotide #	NM_003254.2
UniProt Accession #	P01033; Q14252; Q9UCU1
Molecular Weight	23,171 Da
NCBI Official Full Name	metalloproteinase inhibitor 1
NCBI Official Synonym Full Names	TIMP metallopeptidase inhibitor 1
NCBI Official Symbol	TIMP1
NCBI Official Synonym Symbols	EPA; EPO; HCI; CLGI; TIMP
NCBI Protein Information	metalloproteinase inhibitor 1; TIMP-1; collagenase inhibitor; erythroid potentiating activity; erythroid-potentiating activity; fibroblast collagenase inhibitor; tissue inhibitor of metalloproteinases 1
UniProt Protein Name	Metalloproteinase inhibitor 1
UniProt Gene Name	TIMP1
UniProt Synonym Gene Names	CLGI; TIMP; EPA; Collagenase inhibitor; TIMP-1
UniProt Entry Name	TIMP1_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/timp1-human-elisa-kits/timp-metallopeptidase-inhibitor-1/80549>