

Human TIMP-1 ELISA Kit | TIMP1 elisa kit

Human TIMP-1 PicoKine ELISA Kit

CATALOG #
AAA45228

REACTIVITY
Human

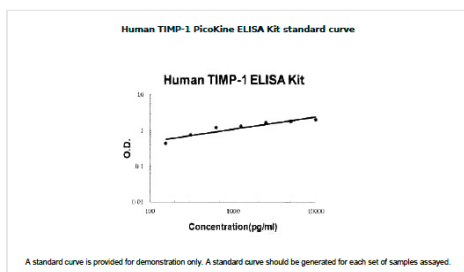
PRODUCT SYNONYMS

TIMP-1; Human TIMP-1 PicoKine ELISA Kit; Metalloproteinase inhibitor 1; TIMP metalloproteinase inhibitor 1; C-C chemokine receptor type 5; C-C CKR-5; CC-CKR-5; CCR-5; CCR5; CCR5_HUMAN; CD195; CHEMR13; CLGI; Collagenase inhibitor; EPA; EPO; Erythroid potentiating activity; Fibroblast collagenase inhibitor; FLJ90373; HCl; HIV-1 fusion coreceptor; Human Collagenase Inhibitor; Metalloproteinase inhibitor 1 precursor; OTTHUMP00000023214; TIMP; TIMP 1; TIMP1 protein; Tissue Inhibitor of metalloproteinase 1; Tissue inhibitor of metalloproteinases; Tissue inhibitor of metalloproteinases 1; Tissue inhibitor of metalloproteinase 1 erythroid potentiating activity collagenase; inhibitor; TIMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human TIMP1
Sequence Length	207
Samples	Cell culture supernatants, serum, plasma (heparin, edta) and saliva
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<5pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested 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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP1 elisa kit

Principle of the Assay: The Picokine™ Human TIMP1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human TIMP1 with a 96-well strip plate that is pre-coated with antibody specific for TIMP1. The detection antibody is a biotinylated antibody specific for TIMP1. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human TIMP1 with immunogen: Expression system for standard: NSO; Immunogen sequence: C24-A207. The kit is analytically validated with ready to use reagents. To measure Human TIMP1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human TIMP1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human TIMP1 in the sample.

Background/Introduction: The tissue inhibitor of metalloproteinases 1(TIMP1) is also called erythroid-potentiating activity(EPA). The X-linked gene for human TIMP1 is expressed in some but not all inactive X-containing somatic-cell hybrids, suggesting that this gene is either prone to reactivation or variable in its inactivation. Purified EPA specifically stimulates human and murine cells of the erythroid lineage, unlike murine interleukin-3(IL-3) which stimulates precursor cells from all haematopoietic lineages. TIMP1 is thought to play a regulatory role in connective tissues by forming inactive complexes with those metalloproteinases that are normally responsible for connective tissue turnover. The human gene encoding TIMP has been mapped to the X chromosome in the region Xp11.1-p11.4. The standard product used in this kit is natural TIMP-1 with the molecular mass of 22KDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	135850
NCBI GeneID	7076
UniProt Accession #	P01033 ; Q14252 ; Q9UCU1
Molecular Weight	23,171 Da
NCBI Official Full Name	Metalloproteinase inhibitor 1
NCBI Official Synonym Full Names	TIMP metalloproteinase 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-1/45228>