

Human TIMP-1 ELISA Kit | TIMP-1 elisa kit

Human TIMP-1 ELISA Kit

CATALOG # AAA332560	REACTIVITY Human	APPLICATIONS ELISA
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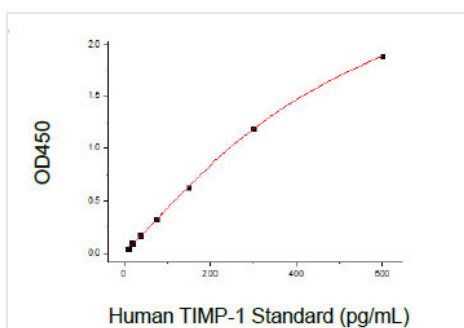
PRODUCT SYNONYMS

TIMP-1; Human TIMP-1 ELISA Kit; TIMP1; RP1-230G1.3; CLGI; EPA; EPO; FLJ90373; HCI; TIMP; erythroid potentiating activity; fibroblast collagenase inhibitor; Metalloproteinase inhibitor 1; TIMP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human TIMP-1 ELISA Kit has high sensitivity and excellent specificity for detection of Human TIMP-1. No significant cross-reactivity or interference between Human TIMP-1 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	9.4 pg/mL-600 pg/mL
Sensitivity	9.4 pg/mL
Applicable Applications for TIMP-1 elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-1 elisa kit	Principle of the Assay: TIMP metalloproteinase inhibitor 1, a member of the TIMP family. The glycoprotein is a natural inhibitor of the matrix metalloproteinases (MMPs), a group of peptidases involved in degradation of the extracellular matrix. In addition to its inhibitory role against most of the known MMPs.Human TIMP-1 ELISA Kit employs a double antibody sandwich method to quantitate Human TIMP-1 in samples. An antibody specific for Human TIMP-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human TIMP-1 present is bound by the immobilized antibody. After removing any unbound substances, a HRP-conjugated antibody specific for Human TIMP-1 is added to the wells. After washing, remove any unbound HRP-conjugated antibody reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450 nm wavelength. The TIMP-1 concentration is proportional to the OD450 nm value.
Product Categories/Family for TIMP-1 elisa kit	ELISA Assay Kit; Protein

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 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.