Mouse Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) ELISA Kit | TIMP1 elisa kit

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CATALOG #	REACTIVITY
AAA332239	**Mouse**

PRODUCT SYNONYMS

Tissue Inhibitors Of Metalloproteinase 1 (TIMP1); Mouse Tissue Inhibitors Of Metalloproteinase 1 (TIMP1) ELISA Kit; TIMP1; RP1-230G1.3; CLGI; EPA; EPO; FLJ90373; HCI; TIMP; erythroid potentiating activity; fibroblast collagenase inhibitor; Metalloproteinase inhibitor 1; TIMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Tissue inhibitors of metalloproteinase 1 (TIMP1) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TIMP1. No significant cross-reactivity or interference between Mouse TIMP1 and analogues was observed.
Sequence Length	205
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES

Standard Curve (Sample)
Fig.1. Mouse Tissue inhibitors of metalloproteinase 1 (TIMP1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TIMP1 elisa kit	Description: This Mouse Tissue inhibitors of metalloproteinase 1 (TIMP1) ELISA Kit employs a two-site sandwich ELISA to quantitate TIMP1 in samples. An antibody specific for TIMP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TIMP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TIMP1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TIMP1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TIMP metallopeptidase 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, the encoded protein is able to promote cell proliferation in a wide range of cell types, and may also have an anti-apoptotic function. Transcription of this gene is highly inducible in response to many cytokines and hormones. In addition, the expression from some but not all inactive X chromosomes suggests that this gene inactivation is polymorphic in human females. This gene is located within intron 6 of the synapsin I gene and is transcribed in the opposite direction.

NCBI AND UNIPROT INFORMATION

NCBI GI #	113205063
NCBI GeneID	21857
NCBI Accession #	NP_001037849.1
NCBI GenBank Nucleotide #	NP_001037849.1
UniProt Accession #	P12032
NCBI Official Full Name	metalloproteinase inhibitor 1 isoform a
NCBI Official Synonym Full Names	tissue inhibitor of metalloproteinase 1
NCBI Official Symbol	Timp1
NCBI Official Synonym Symbols	EPA; Clgi; Timp; TIMP-1; TPA-S1
NCBI Protein Information	metalloproteinase inhibitor 1
UniProt Protein Name	Metalloproteinase inhibitor 1
UniProt Gene Name	**Timp1**
UniProt Synonym Gene Names	Timp; Timp-1; EPA; TIMP-1
UniProt Entry Name	TIMP1_MOUSE

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/mouse-elisa-kits/tissue-inhibitors-of-metalloproteinase-1-timp1/332239