

Mouse TIMP-1 (Tissue Inhibitors of Metalloproteinase 1) ELISA Kit | TIMP-1 elisa kit

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CATALOG #
AAA178028

REACTIVITY
Mouse

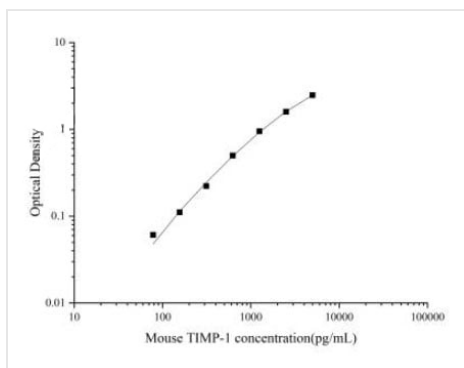
PRODUCT SYNONYMS

TIMP-1 (Tissue Inhibitors of Metalloproteinase 1); Mouse TIMP-1 (Tissue Inhibitors of Metalloproteinase 1) ELISA Kit; TIMP1; CLGI; EPA; EPO; HCI; TIMP-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This kit recognizes Mouse TIMP-1 in samples. No significant cross-reactivity or interference between Mouse TIMP-1 and analogues was observed
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	78.13-5000 pg/mL
Sensitivity	46.88 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Mouse TIMP-1 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Mouse TIMP-1 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	An unopened kit can be stored at 2-8 degree C for 1 month. If the kit is not supposed to be used within 1 month, store the components separately according to the following conditions once the kit is received.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP-1 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Mouse TIMP-1. Samples (or Standards) are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Mouse TIMP-1 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Mouse TIMP-1, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The OD value is proportional to the concentration of Mouse TIMP-1. You can calculate the concentration of Mouse TIMP-1 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Mouse TIMP-1 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	113205063
NCBI GeneID	21857
NCBI Accession #	NP_001037849.1
NCBI GenBank Nucleotide #	NM_001044384.1
UniProt Accession #	P12032; P20064; Q61720
Molecular Weight	22,628 Da
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.