

Mouse TIMP1 ELISA Kit | TIMP1 elisa kit

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CATALOG # AAA261698	REACTIVITY Mouse	APPLICATIONS ELISA
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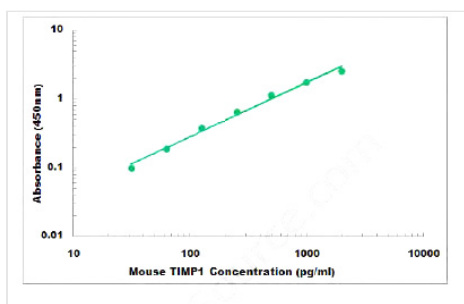
PRODUCT SYNONYMS

TIMP1; Mouse TIMP1 ELISA Kit; CLGI; TIMP; Metalloproteinase inhibitor 1; Erythroid-potentiating activity; EPA; Fibroblast collagenase inhibitor; Collagenase inhibitor; Tissue inhibitor of metalloproteinases 1; TIMP-1; TIMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse TIMP1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse TIMP1 proteins within the range of 31.2 pg/ml - 2000 pg/ml.
Sequence Length	205
Samples	Cell Culture Supernatants, Serum, Plasma.
Sensitivity	10 pg/ml.
Applicable Applications for TIMP1 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIMP1 elisa kit	Principle of the Assay The Mouse TIMP1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse TIMP1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse TIMP1 coated on a 96-well plate. Standards and samples are pipetted into the wells and TIMP1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse TIMP1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of TIMP1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: TIMP metalloproteinase inhibitor 1, also known as TIMP1, a tissue inhibitor of metalloproteinases, is a glycoprotein that is expressed from the several tissues of organisms. This protein is a member of the TIMP family. It was found to reside at Xp11.4-p11.1. This is the first growth factor found to be X-linked. 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. What's more, 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	135851
NCBI GeneID	21857
UniProt Accession #	P12032; P20064; Q61720
Molecular Weight	22,628 Da
NCBI Official Full Name	Metalloproteinase inhibitor 1
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.