

Datasheet for ABIN6719704

TIMP1 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	1 kit
Target:	TIMP1
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Mouse TIMP-1 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant mouse TIMP-1. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 10 pg/mL
Components:	<ul style="list-style-type: none">• Antibody-coated 96-well plate• Target Protein Standard• Detection antibody

Product Details

- Detection reagent
- Diluent buffers
- Wash buffers
- Substrate Solution
- Stop solutions
- Adhesive covers

Target Details

Target: TIMP1

Alternative Name: TIMP-1 ([TIMP1 Products](#))

Background: Synonyms: C-C chemokine receptor type 5, CC-CKR-5, CCR5, CCR5_HUMAN, CD195, CHEMR13, CLGI, Collagenase inhibitor, Erythroid potentiating activity, Fibroblast collagenase inhibitor, HCl, HIV-1 fusion coreceptor, Human Collagenase Inhibitor, Metalloproteinase inhibitor 1, Metalloproteinase inhibitor 1 precursor, TIMP, TIMP metalloproteinase inhibitor 1, TIMP1 protein1, Tissue inhibitor of metalloproteinases, Tissue inhibitor of metalloproteinase 1 erythroid potentiating activity collagenase inhibitor

Background: 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.

Gene ID: 21857

NCBI Accession: [NP_001037849](#)

UniProt: [P12032](#)

Application Details

Application Notes: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL mouse TIMP-1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent

Application Details

buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse TIMP-1 standard solution and each sample be measured in duplicate.

Comment: Standard: Expression system for standard: NSO, Immunogen sequence: C25-R205

Sample Volume: 100 μ L

Plate: Pre-coated

Restrictions: For Research Use only

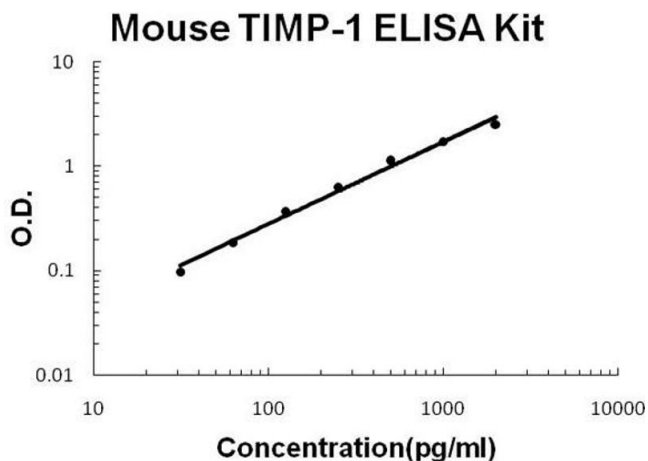
Handling

Storage: 4 °C, -20 °C

Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiry Date: 12 months

Images



ELISA

Image 1. Mouse TIMP-1 Accusignal ELISA Kit Mouse TIMP-1 Accusignal ELISA Kit standard curve. Assay Range: 31.2pg/ml-2000pg/ml. Sensitivity: <10pg/ml.