

Datasheet for ABIN6719796

**TIMP3 ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	1 kit
Target:	TIMP3
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

## Product Details

Purpose:	Human TIMP-3 Sandwich ELISA Kit for Quantitative Detection
Brand:	AccuSignal™
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Saliva, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Production: Natural and recombinant human TIMP-3. There is no detectable cross-reactivity with other relevant proteins.
Sensitivity:	< 2 pg/mL
Components:	<ul style="list-style-type: none"><li>• Antibody-coated 96-well plate</li><li>• Target Protein Standard</li><li>• Detection antibody</li></ul>

## Product Details

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

## Target Details

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Target: TIMP3

Alternative Name: TIMP-3 ([TIMP3 Products](#))

Background: Synonyms: HSMRK222, K222, K222TA2, Metalloproteinase inhibitor 3, MIG 5 protein, Protein MIG-5, SFD, TIMP metalloproteinase inhibitor 3, TIMP-3, TIMP3, TIMP3\_HUMAN, Tissue inhibitor of metalloproteinases 3

Background: The tissue inhibitors of metalloproteinases (TIMPs) are natural inhibitors of the matrix metalloproteinases, a group of zinc-binding endopeptidases involved in the degradation of the extracellular matrix. The TIMP3 gene is expressed in many tissues, with highest expression in the placenta. TIMP3 encodes a potent angiogenesis inhibitor and is mutated in Sorsby fundus dystrophy, a macular degenerative disease with submacular choroidal neovascularization. TIMP3 gene is mapped to 22q12.1-q13.2. Mutations in TIMP3 cause the autosomal dominant disorder Sorsby's fundus dystrophy (SFD).

Gene ID: 7078

NCBI Accession: [NP\\_000353](#)

UniProt: [P35625](#)

## Application Details

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Application Notes: ELISA\_Dilution: 156pg/mL-10000pg/mL

Application\_Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human TIMP-3 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum, plasma (heparin, EDTA) or saliva to each empty well. It is recommended that each human TIMP-3 standard solution and each sample be measured in duplicate.

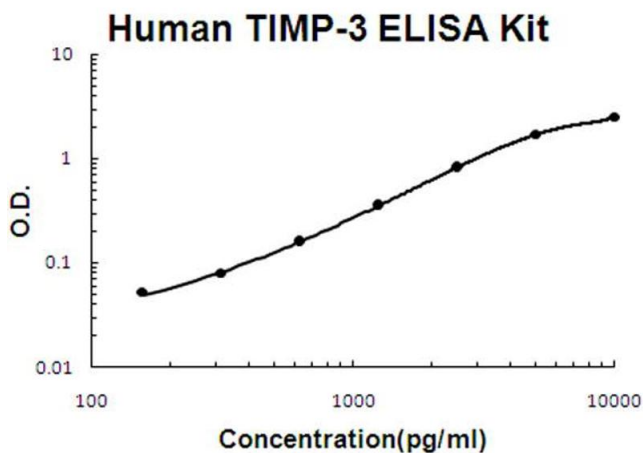
## Application Details

Comment:	Standard: Expression system for standard: NSO, Immunogen sequence: C24-P211
Sample Volume:	100 µL
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.** Human TIMP-3 Accusignal ELISA Kit Human TIMP-3 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <2pg/ml.