

## ARG81420 Human TIMP3 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81420-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81420-002	Standard	2 X 10 ng/vial	4°C
ARG81420-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81420-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81420-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81420-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81420-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81420-008	25X Wash buffer	20 ml	4°C
ARG81420-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81420-010	STOP solution	10 ml (Ready to use)	4°C
ARG81420-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81420 Human TIMP3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human TIMP3 in serum, plasma (heparin, EDTA), saliva and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TIMP3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), saliva and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.7% Inter-Assay CV: 8.3%
Alternate Names	HSMRK222; K222TA2; TIMP-3; Protein MIG-5; K222; SFD; Metalloproteinase inhibitor 3; Tissue inhibitor of metalloproteinases 3

## Application Instructions

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Assay Time	~ 5 hours
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## Properties

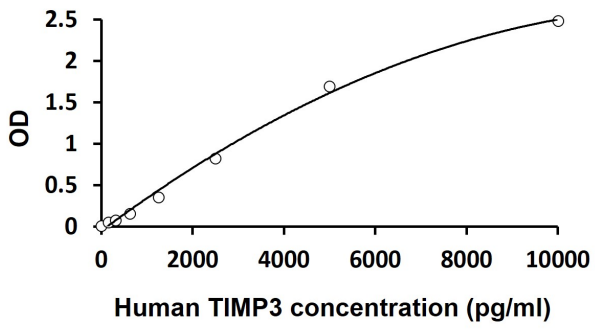
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Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	TIMP3
Gene Full Name	TIMP metalloproteinase inhibitor 3
Background	This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix (ECM). Expression of this gene is induced in response to mitogenic stimulation and this netrin domain-containing protein is localized to the ECM. Mutations in this gene have been associated with the autosomal dominant disorder Sorsby's fundus dystrophy. [provided by RefSeq, Jul 2008]
Function	Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. May form part of a tissue-specific acute response to remodeling stimuli. Known to act on MMP-1, MMP-2, MMP-3, MMP-7, MMP-9, MMP-13, MMP-14 and MMP-15. [UniProt]
Highlight	Related products: <a href="#">TIMP3 antibodies</a> ; <a href="#">TIMP3 ELISA Kits</a> ; Related news: <a href="#">Detecting MMPs and their non-ECM substrates</a> New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>



ARG81420 Human TIMP3 ELISA Kit standard curve image

ARG81420 Human TIMP3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.