

ARG81892 Mouse TIMP4 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81892-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81892-002	Standard	2 X 10 ng/vial	4°C
ARG81892-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81892-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81892-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81892-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81892-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81892-008	25X Wash buffer	20 ml	4°C
ARG81892-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81892-010	STOP solution	10 ml (Ready to use)	4°C
ARG81892-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81892 Mouse TIMP4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse TIMP4 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	TIMP4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	39 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	78 - 5000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.5%; Inter-Assay CV: 7.8%
Alternate Names	Metalloproteinase inhibitor 4; Tissue inhibitor of metalloproteinases 4; TIMP-4

Application Instructions

Assay Time	~ 5 hours
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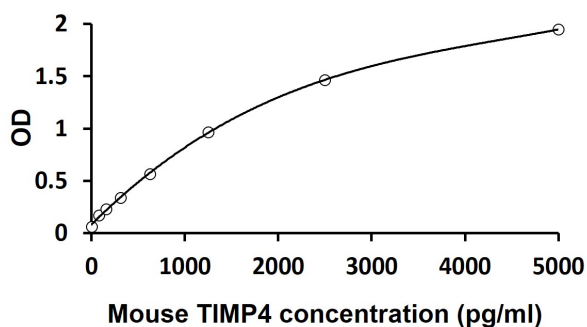
Properties

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

Gene Symbol	TIMP4
Gene Full Name	TIMP metalloproteinase inhibitor 4
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. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play role in hormonal regulation and endometrial tissue remodeling. [provided by RefSeq, Jul 2008]
Function	Complexes with metalloproteinases (such as collagenases) and irreversibly inactivates them by binding to their catalytic zinc cofactor. Known to act on MMP-1, MMP-2, MMP-3, MMP-7 and MMP-9. [UniProt]
Highlight	<p>Related products: TIMP4 antibodies; TIMP4 ELISA Kits;</p> <p>Related news: Detecting MMPs and their non-ECM substrates</p> <p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p>

Images



ARG81892 Mouse TIMP4 ELISA Kit standard curve image

ARG81892 Mouse TIMP4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.