

## ARG82484 Mouse MATN4 / Matrilin 4 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82484-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82484-002	Standard	2 X 10 ng/vial	4°C
ARG82484-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82484-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82484-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82484-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82484-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82484-008	25X Wash buffer	20 ml	4°C
ARG82484-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82484-010	STOP solution	10 ml (Ready to use)	4°C
ARG82484-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82484 Mouse MATN4 / Matrilin 4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse MATN4 / Matrilin 4 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	MATN4 / Matrilin 4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.9% Inter-Assay CV: 5.5%

Alternate Names                      Matrilin-4

## Application Instructions

Assay Time                              ~ 5 hours

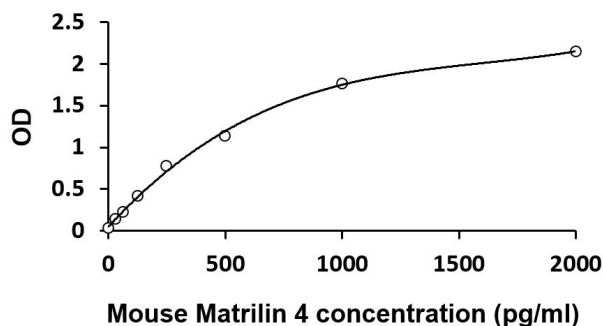
## Properties

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	MATN4
Gene Full Name	matrilin 4
Background	This gene encodes a member of von Willebrand factor A domain-containing protein family. The proteins of this family are thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. This family member is thought to be play a role in reorganizing and regenerating the corneal matrix in granular and lattice type I dystrophies. It may also be involved in wound healing in the dentin-pulp complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]
Function	Major component of the extracellular matrix of cartilage. [UniProt]
Highlight	Related products: <a href="#">Matrilin antibodies</a> ; <a href="#">Matrilin ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
Cellular Localization	Secreted. [UniProt]

## Images



ARG82484 Mouse MATN4 / Matrilin 4 ELISA Kit standard curve image

ARG82484 Mouse MATN4 / Matrilin 4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.