

ARG82485 Rat MATN4 / Matrilin 4 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82485-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82485-002	Standard	2 X 10 ng/vial	4°C
ARG82485-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82485-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82485-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82485-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82485-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82485-008	25X Wash buffer	20 ml	4°C
ARG82485-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82485-010	STOP solution	10 ml (Ready to use)	4°C
ARG82485-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82485 Rat MATN4 / Matrilin 4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat MATN4 / Matrilin 4 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Rat
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: 5.4% Inter-Assay CV: 5.9%

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

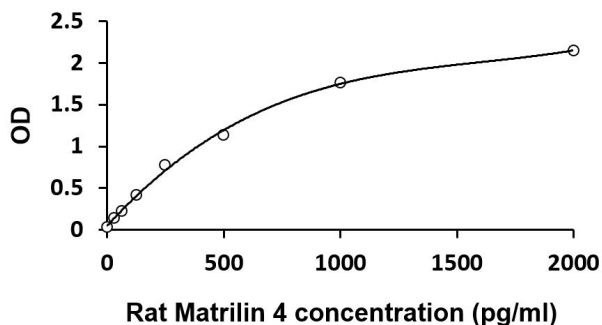
Background This gene encodes a member of von Willebrand factor A domain-containing protein family. The proteins of this family are thought to be involved in the formation of filamentous networks in the extracellular matrices of various tissues. This family member is thought to be play a role in reorganizing 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:
[Matrilin antibodies](#); [Matrilin ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Secreted. [UniProt]

Images



ARG82485 Rat MATN4 / Matrilin 4 ELISA Kit standard curve image

ARG82485 Rat MATN4 / Matrilin 4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.