

ARG81662 Mouse MMP3 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81662-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81662-002	Standard	2 X 10 ng/vial	4°C
ARG81662-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81662-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81662-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81662-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81662-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81662-008	25X Wash buffer	20 ml	4°C
ARG81662-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81662-010	STOP solution	10 ml (Ready to use)	4°C
ARG81662-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81662 Mouse MMP3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse MMP3 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is cross-reactivity with MMP10 approximately 2% and no detectable cross-reactivity with other MMPs.
Target Name	MMP3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.4%; Inter-Assay CV: 6.6%
Alternate Names	Transin-1; CHDS6; EC 3.4.24.17; SL-1; STMY1; Matrix metalloproteinase-3; STR1; STMY; MMP-3; Stromelysin-1

Application Instructions

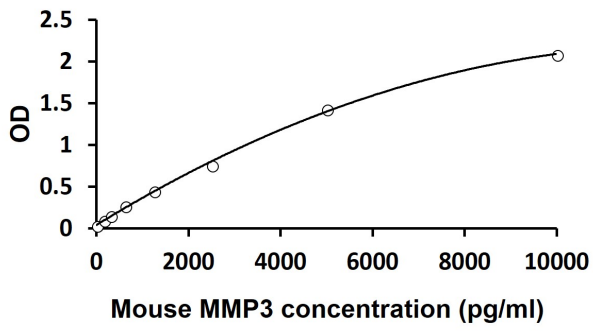
Assay Time	~ 5 hours
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Properties

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	MMP3
Gene Full Name	matrix metalloproteinase 3
Background	Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
Function	Can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates procollagenase. [UniProt]
Highlight	Related products: MMP3 antibodies ; MMP3 ELISA Kits ; Related news: Detecting MMPs and their non-ECM substrates New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81662 Mouse MMP3 ELISA Kit standard curve image

ARG81662 Mouse MMP3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.