

Product datasheet

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ARG81921 Mouse MMP8 ELISA Kit

Package: 96 wells Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81921-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81921-002	Standard	2 X 10 ng/vial	4°C
ARG81921-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81921-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81921-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81921-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81921-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81921-008	25X Wash buffer	20 ml	4°C
ARG81921-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81921-010	STOP solution	10 ml (Ready to use)	4°C
ARG81921-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81921 Mouse MMP8 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse

MMP8 in serum, plasma (heparin) and cell culture supernatants.

Tested Reactivity Ms

Tested Application ELISA

Specificity There is no detectable cross-reactivity with other relevant proteins.

Target Name MMP8

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 $100 \ \mu l$

Precision Intra-Assay CV: 5.9%; Inter-Assay CV: 7.3%

Alternate Names HNC; PMNL collagenase; MMP-8; PMNL-CL; CLG1; Neutrophil collagenase; Matrix metalloproteinase-8;

EC 3.4.24.34

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 MMP8

Gene Full Name matrix metallopeptidase 8

Background This gene encodes a member of the matrix metalloproteinase (MMP) family of proteins. These proteins

are involved in the breakdown of extracellular matrix in embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Proteolysis at different sites on this protein results in multiple active forms of the enzyme with distinct N-termini. This protein functions in the degradation of type I, II and III collagens. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.

[provided by RefSeq, Jan 2015]

Function Can degrade fibrillar type I, II, and III collagens. [UniProt]

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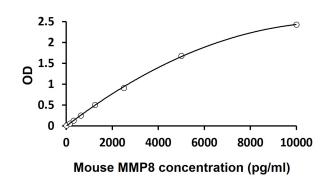
MMP8 antibodies; MMP8 ELISA Kits;

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ARG81921 Mouse MMP8 ELISA Kit standard curve image

ARG81921 Mouse MMP8 ELISA Kit results of a typical standard run with optical density reading at 450 nm.