

## ARG81860 Rat MMP8 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81860-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81860-002	Standard	2 X 10 ng/vial	4°C
ARG81860-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81860-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81860-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81860-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81860-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81860-008	25X Wash buffer	20 ml	4°C
ARG81860-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81860-010	STOP solution	10 ml (Ready to use)	4°C
ARG81860-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81860 Rat MMP8 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat MMP8 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Rat
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 µl

Precision	Intra-Assay CV: 6.4%; Inter-Assay CV: 7.5%
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

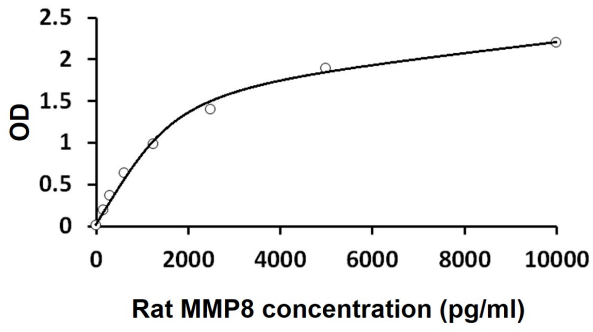
---

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 metalloproteinase 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]
Highlight	<p>Related products:  <a href="#">MMP8 antibodies</a>; <a href="#">MMP8 ELISA Kits</a>;</p> <p>Related news:  <a href="#">Detecting MMPs and their non-ECM substrates</a></p> <p>New ELISA data calculation tool:  <a href="#">Simplify the ELISA analysis by GainData</a></p>



ARG81860 Rat MMP8 ELISA Kit standard curve image

ARG81860 Rat MMP8 ELISA Kit results of a typical standard run with optical density reading at 450 nm.