

ARG81414 Human MMP7 (total) ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81414-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81414-002	Standard	2 X 10 ng/vial	4°C
ARG81414-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81414-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81414-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81414-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81414-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81414-008	25X Wash buffer	20 ml	4°C
ARG81414-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81414-010	STOP solution	10 ml (Ready to use)	4°C
ARG81414-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81414 Human MMP7 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human total MMP7 in serum, plasma (heparin), saliva, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	MMP7
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin), saliva, urine and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.1% Inter-Assay CV: 6.3%
Alternate Names	MMP-7; Uterine metalloproteinase; Matrix metalloproteinase-7; EC 3.4.24.23; Matrilysin; Matrin; Pump-1 protease; PUMP-1; MPPL1

Application Instructions

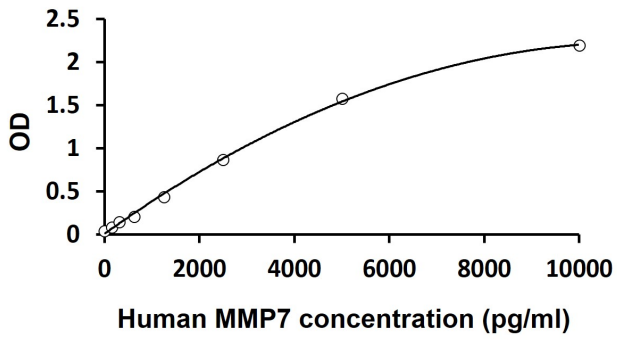
Assay Time	~ 5 hours
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Properties

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	MMP7
Gene Full Name	matrix metalloproteinase 7
Background	MMP7 is a member of the peptidase M10 family of matrix metalloproteinases (MMPs). Proteins in this 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. The encoded preproprotein is proteolytically processed to generate the mature protease. This secreted protease breaks down proteoglycans, fibronectin, elastin and casein and differs from most MMP family members in that it lacks a conserved C-terminal hemopexin domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes on chromosome 11. This gene exhibits elevated expression levels in multiple human cancers. [provided by RefSeq, Jan 2016]
Function	MMP7 degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase. [UniProt]
Highlight	Related products: MMP7 antibodies ; MMP7 ELISA Kits ; Related news: Detecting MMPs and their non-ECM substrates New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81414 Human MMP7 ELISA Kit standard curve image

ARG81414 Human MMP7 ELISA Kit results of a typical standard run with optical density reading at 450 nm.