

ARG82009 Human MMP7 (total) ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82009-001	Antibody-coated microplate	12 X 8 strips	4°C
ARG82009-002	Standard (200 ng)	1 vial	4°C, store at -20°C after reconstitution
ARG82009-003	Standard reconstitution buffer	1.1 ml	4°C
ARG82009-004	HRP-antibody Conjugate (200X)	65 µl	4°C
ARG82009-005	Sample diluent	15 ml	4°C
ARG82009-006	Assay buffer	12 ml	4°C
ARG82009-007	Antibody diluent	12 ml	4°C
ARG82009-008	10X Wash buffer	30 ml	4°C
ARG82009-009	TMB substrate	12 ml (ready-to-use)	4°C (Protect from light)
ARG82009-010	Stop solution	6 ml	4°C
ARG82009-011	Plate sealer	1 strip	Room temperature

Summary

Product Description	ARG82009 Human MMP7 (total) ELISA Kit is an Enzyme Immunoassay kit for the quantification of human total MMP7 in serum, plasma, saliva, urine, cell lysate and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	MMP7 (total)
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.21 ng/ml
Sample Type	Serum, plasma, saliva, urine, cell lysate and cell culture supernatants.
Standard Range	0.3125 - 20 ng/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 6.9%; Inter-Assay CV: 6.6%
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 ~ 4 hours

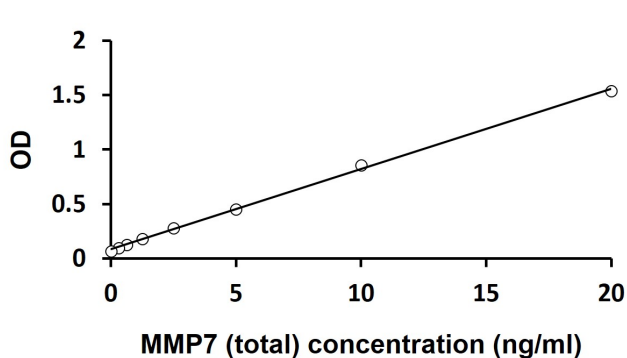
Properties

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	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: New MMP7 (total or active) ELISA kits are released New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Secreted, extracellular space, extracellular matrix. [UniProt]

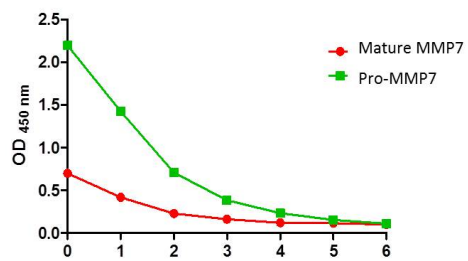
Images



ARG82009 Human MMP7 (total) ELISA Kit standard curve image

ARG82009 Human MMP7 (total) ELISA Kit results of a typical standard run with optical density reading at 450 nm.

Total MMP7 ELISA kit



Antigen concentration: 20 x 2^{-x} ng/mL

ARG82009 Human MMP7 (total) ELISA Kit standard curve image

ARG82009 Human MMP7 (total) ELISA Kit results of a typical standard run with optical density reading at 450 nm. Red: Mature MMP7; Green: Pro-MMP7.