

ARG83007 Human MMP7 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83007 Human MMP7 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human total MMP7 in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not react with Mouse MMP1, MMP2, MMP3, MMP8, MMP9, MMP10, MMP13
Target Name	MMP7
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	31.25pg/ml
Sample Type	Serum, Plasma (heparin), Ascites, Urine and Cell culture supernatants
Standard Range	62.5-4000pg/ml
Sample Volume	100 µl
Precision	CV:
Alternate Names	MMP-7; Uterine metalloproteinase; Matrix metalloproteinase-7; EC 3.4.24.23; Matrilysin; Matrin; Pump-1 protease; PUMP-1; MPSL1

Application Instructions

Assay Time ~ 3.5 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	MMP7
Gene Full Name	matrix metalloproteinase 7
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. The enzyme encoded by this gene degrades proteoglycans, fibronectin, elastin and casein and differs from most

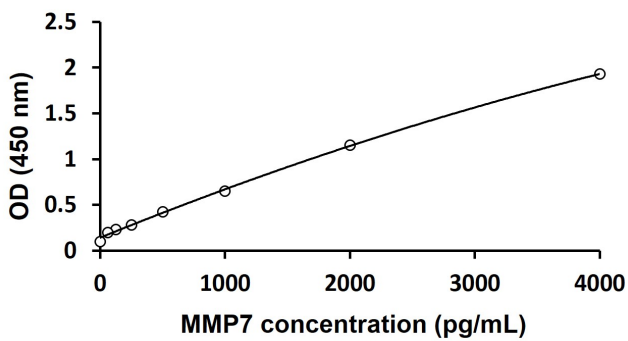
MMP family members in that it lacks a conserved C-terminal protein domain. The enzyme is involved in wound healing, and studies in mice suggest that it regulates the activity of defensins in intestinal mucosa. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]

Function Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase. [UniProt]

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[Detecting MMPs and their non-ECM substrates](#)
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Secreted, extracellular space, extracellular matrix. [UniProt]

Images



ARG83007 MMP7 ELISA kit standard curve image

ARG83007 MMP7 ELISA kit results of standard run with optical density reading at 450 nm