

ARG82629 Human MMP7 Assay Kit

Package: 96 wells
Store at: -20°C

Summary

Product Description	ARG82629 Human MMP7 Assay Kit is a detection kit for the quantification of Human MMP7 in serum, urine, tissue homogenates and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	FuncSt
Specificity	Measures endogenous active MMP7 (naturally occurring) or total active MMP7 (following activation with APMA).
Target Name	MMP7
Conjugation Note	Read at 405 nm.
Sensitivity	30 pg/ml for 3 hours incubation 4 pg/ml for 25 hours incubation
Detection Range	4 - 16000 pg/ml
Sample Type	Serum, urine, tissue homogenates and cell culture supernatants.
Sample Volume	100 µl
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	Overnight
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Properties

Form	96 well
Storage instruction	Store the kit at -20°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.

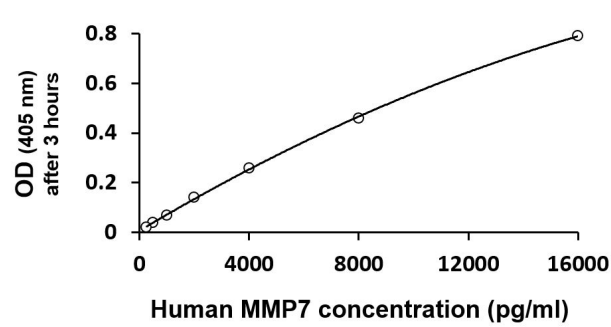
Bioinformation

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]

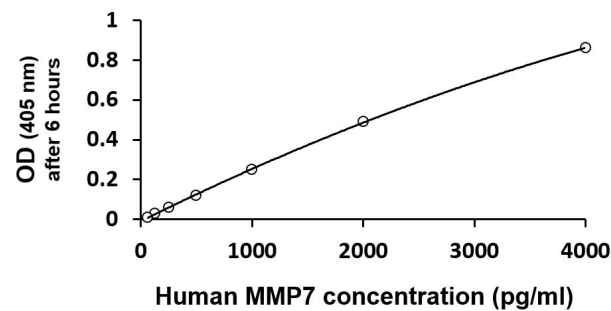
Function	Degrades casein, gelatins of types I, III, IV, and V, and fibronectin. Activates procollagenase. [UniProt]
Cellular Localization	Secreted, extracellular space, extracellular matrix. [UniProt]

Images



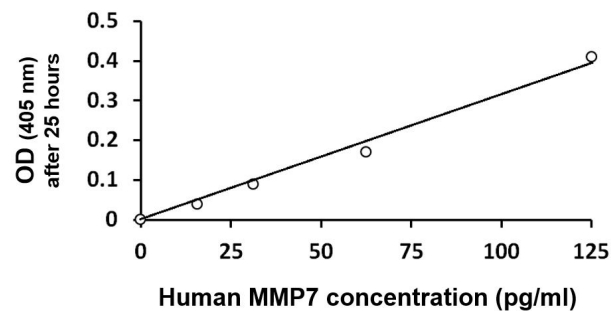
ARG82629 Human MMP7 Assay Kit typical data demonstration image

ARG82629 Human MMP7 Assay Kit results of a typical data with optical density reading at 405 nm (after 3 hours incubation).



ARG82629 Human MMP7 Assay Kit typical data demonstration image

ARG82629 Human MMP7 Assay Kit results of a typical data with optical density reading at 405 nm (after 6 hours incubation).



ARG82629 Human MMP7 Assay Kit typical data demonstration image

ARG82629 Human MMP7 Assay Kit results of a typical data with optical density reading at 405 nm (after 25 hours incubation).