

ARG82630 Human MMP8 Assay Kit

Package: 96 wells
Store at: -20°C

Summary

Product Description	ARG82630 Human MMP8 Assay Kit is a detection kit for the quantification of Human MMP8 in serum, plasma, cell culture supernatants, urine, saliva and tissue homogenates.
Tested Reactivity	Hu
Tested Application	FuncSt
Specificity	Measures endogenous active MMP8 (naturally occurring) or total active MMP8 (following activation with APMA).
Target Name	MMP8
Conjugation Note	Read at 405 nm.
Sensitivity	100 pg/ml for 2 hours incubation 24 pg/ml for 6 hours incubation 4 pg/ml for 24 hours incubation
Detection Range	10 - 24000 pg/ml
Sample Type	Serum, plasma, cell culture supernatants, urine, saliva and tissue homogenates.
Sample Volume	100 µl
Alternate Names	HNC; PMNL collagenase; MMP-8; PMNL-CL; CLG1; Neutrophil collagenase; Matrix metalloproteinase-8; EC 3.4.24.34

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	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]

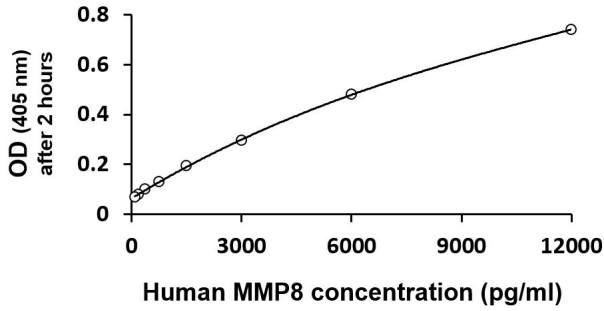
Function

Can degrade fibrillar type I, II, and III collagens. [UniProt]

Cellular Localization

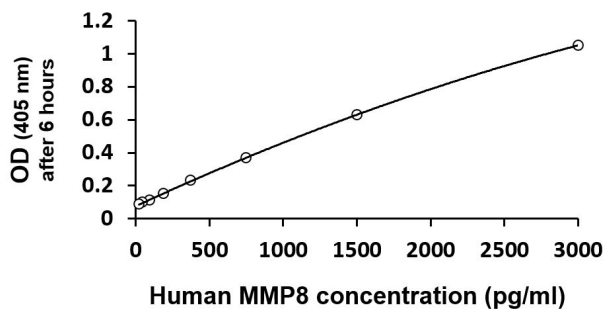
Cytoplasmic granule. Secreted, extracellular space, extracellular matrix. Note=Stored in intracellular granules. [UniProt]

Images



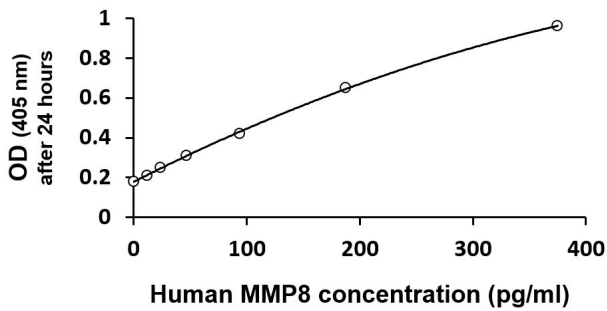
ARG82630 Human MMP8 Assay Kit typical data demonstration image

ARG82630 Human MMP8 Assay Kit results of a typical data with optical density reading at 405 nm (after 2 hours incubation).



ARG82630 Human MMP8 Assay Kit typical data demonstration image

ARG82630 Human MMP8 Assay Kit results of a typical data with optical density reading at 405 nm (after 6 hours incubation).



ARG82630 Human MMP8 Assay Kit typical data demonstration image

ARG82630 Human MMP8 Assay Kit results of a typical data with optical density reading at 405 nm (after 24 hours incubation).