

ARG82983 Human MMP10 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG82983 Human MMP10 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human MMP10 in serum, plasma, cell culture supernatant samples.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Cross-Reactivity: Not reacts with Human MMP1, MMP2, MMP3, MMP7, MMP9 and TIMP2 proteins; Mouse and Rat MMP1, MMP2, MMP3, MMP7, MMP10 and TIMP2 proteins.
Target Name	MMP10
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	31.3 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 10%
Alternate Names	SL-2; STMY2; Transin-2; EC 3.4.24.22; Matrix metalloproteinase-10; MMP-10; Stromelysin-2

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	MMP10
Gene Full Name	matrix metalloproteinase 10
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 and fibronectin. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]

Function

Can degrade fibronectin, gelatins of type I, III, IV, and V; weakly collagens III, IV, and V. Activates procollagenase. [UniProt]

Highlight

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New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)