

ARG83037
Human MMP3 ELISA Kit

Package: 96 wells

Store at: 4°C

Summary

Product Description	ARG83037 Human MMP3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human MMP3 in serum, plasma (heparin), ascites, urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	Not cross-reacts with: Human MMP1, MMP2, MMP7, MMP8, MMP9, MMP12, MMP13, TIMP 1. Mouse MMP3, MMP9. Rat MMP3, MMP9.
Target Name	MMP3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (heparin), ascites, urine 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	MMP3, Matrix Metalloproteinase 3, STMY1, Matrix Metalloproteinase 3 (Stromelysin 1, Progelatinase), Stromelysin 1, EC 3.4.24.17, Transin 1, MMP 3, SL 1, STMY, Matrix Metalloproteinase 3, Proteoglycanase, Stromelysin 1, EC 3.4.24, CHDS6, STR1

Application Instructions

Assay Time	~ 4 hours
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Properties

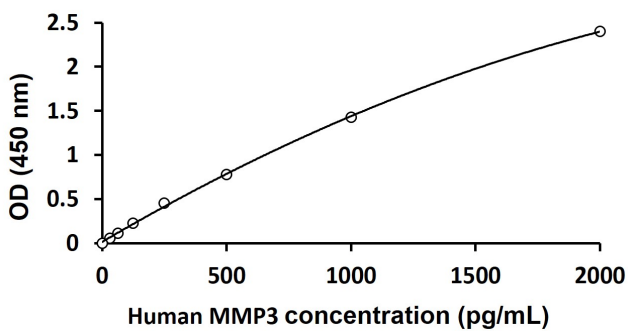
Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	MMP3
Gene Full Name	Matrix Metalloproteinase 3

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. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. [provided by RefSeq, Jul 2008]
Function	Metalloproteinase with a rather broad substrate specificity that can degrade fibronectin, laminin, gelatins of type I, III, IV, and V; collagens III, IV, X, and IX, and cartilage proteoglycans. Activates different molecules including growth factors, plasminogen or other matrix metalloproteinases such as MMP9. [UniProt]
Highlight	Related products: MMP3 antibodies ; MMP3 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Disulfide bond, Zymogen. [UniProt]
Cellular Localization	Cytoplasm, Extracellular matrix, Nucleus, Secreted. [UniProt]

Images



ARG83037 Human MMP3 ELISA Kit standard curve image

ARG83037 Human MMP3 ELISA Kit results of standard run with optical density reading at 450 nm
