

Human MMP1 ELISA Kit | MMP1 elisa kit

Human MMP1 ELISA Kit

CATALOG # AAA105653	REACTIVITY Human	APPLICATIONS ELISA
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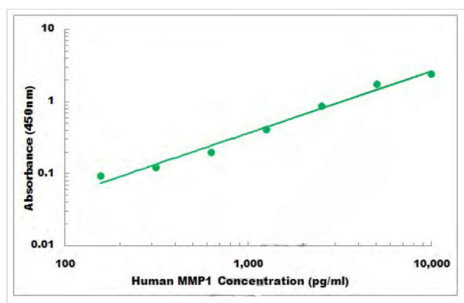
PRODUCT SYNONYMS

MMP1; Human MMP1 ELISA Kit; CLG; Interstitial collagenase; Fibroblast collagenase; Matrix metalloproteinase-1; MMP-1; MMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human MMP1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human MMP1 proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	469
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 20 pg/ml
Applicable Applications for MMP1 elisa kit	ELISA (Sandwich ELISA)
Detection Method	Colorimetric
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP1 elisa kit	Background: Matrix metalloproteinase-1 (MMP-1) is also known as collagenase. Matrix metalloproteinases (MMPs) are zinc-dependent proteases that degrade extracellular matrix proteins. The MMPs comprise a family of at least 20 proteolytic enzymes that play an essential role in tissue remodeling. Matrix metalloproteinase-1 (MMP-1) plays an important role in the degradation of collagen in inflammatory diseases. MMP1 (interstitial collagenase), MMP9 (gelatinase B) and MMP12 (macrophage elastase) are thought to be important in the development of emphysema. Smoking-induced MMP-1 might be important in the skin-ageing effects of tobacco smoking. Principle of the Assay: The AAA Biotech' Human MMP1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human MMP1 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human MMP1 coated on a 96-well plate. Standards and samples are pipetted into the wells and MMP1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human MMP1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of MMP1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505215
NCBI GeneID	4312
NCBI Accession #	NP_002412.1
NCBI GenBank Nucleotide #	NM_002421.3
UniProt Accession #	P03956; P08156
Molecular Weight	54,007 Da
NCBI Official Full Name	interstitial collagenase isoform 1 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 1 (interstitial collagenase)
NCBI Official Symbol	MMP1
NCBI Official Synonym Symbols	CLG; CLGN
NCBI Protein Information	interstitial collagenase; fibroblast collagenase; matrix metalloproteinase 1; matrix metalloproteinase 1
UniProt Protein Name	Interstitial collagenase
UniProt Gene Name	MMP1
UniProt Synonym Gene Names	CLG; MMP-1
UniProt Entry Name	MMP1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.