

Human MMP-1 ELISA Kit | MMP1 elisa kit

Human MMP-1 Quick ELISA Kit

CATALOG #
AAA125858

REACTIVITY
Human

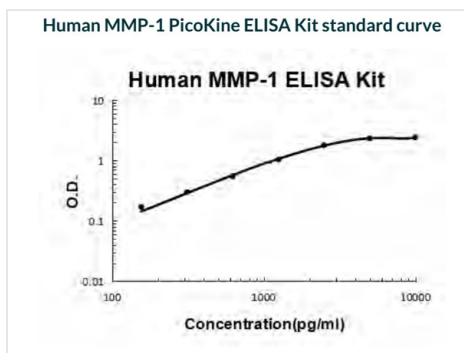
PRODUCT SYNONYMS

MMP-1; Human MMP-1 Quick ELISA Kit; MMP-1[CLGmatrix metalloprotease 1; CLGN; EC 3. 4. 24; EC 3. 4. 24. 7; Fibroblast collagenase; interstitial collagenase; matrix metalloproteinase 1 (interstitial collagenase); matrix metalloproteinase 1 (interstitial collagenase); Matrix metalloproteinase-1; MMP1; MMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human MMP1
Assay Type	Sandwich
Samples	Cell culture supernatants, serum and plasma (heparin)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<20 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP1 elisa kit	Principle of the Assay: The Quick Picokine™ Human MMP1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human MMP1 in cell culture supernatants, serum and plasma (heparin). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Human MMP1 with immunogen: Expression system for standard: NS0; Immunogen sequence: F20-N469. To measure Human MMP1, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human MMP1 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human MMP1 in the sample.
Product Categories/Family for MMP1 elisa kit	ELISA kits

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mmp1-human-elisa-kits/mmp-1/125858>