

Human Matrix Metalloproteinase 13 (MMP13) CLIA Kit | MMP13 clia kit

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CATALOG # AAA188847	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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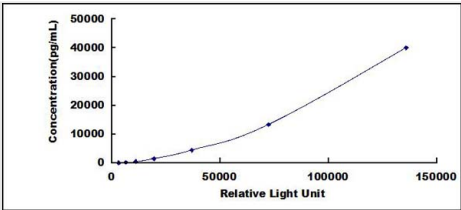
PRODUCT SYNONYMS

Matrix Metalloproteinase 13 (MMP13); Human Matrix Metalloproteinase 13 (MMP13) CLIA Kit; Matrix Metalloproteinase 13; CLG3; Collagenase 3; MMP13 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Matrix Metalloproteinase 13 (MMP13). No significant cross-reactivity or interference between Matrix Metalloproteinase 13 (MMP13) and analogues was observed.
Sequence Length	471
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	54.9-40000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 19.3pg/mL
Applicable Applications for MMP13 clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Matrix Metalloproteinase 13 (MMP13) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Matrix Metalloproteinase 13 (MMP13) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Matrix Metalloproteinase 13 (MMP13). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Matrix Metalloproteinase 13 (MMP13). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Matrix Metalloproteinase 13 (MMP13) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505209
NCBI GeneID	4322
NCBI Accession #	NP_002418.1
NCBI GenBank Nucleotide #	NP_002418.1
UniProt Accession #	P45452
NCBI Official Full Name	collagenase 3 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 13
NCBI Official Symbol	MMP13
NCBI Official Synonym Symbols	CLG3; MDST; MANDP1; MMP-13
NCBI Protein Information	collagenase 3
UniProt Protein Name	Collagenase 3
UniProt Gene Name	MMP13
UniProt Synonym Gene Names	MMP-13
UniProt Entry Name	MMP13_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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/matrix-metalloproteinase-13-mmp13/188847>