

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

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CATALOG #
AAA129782

REACTIVITY
Human

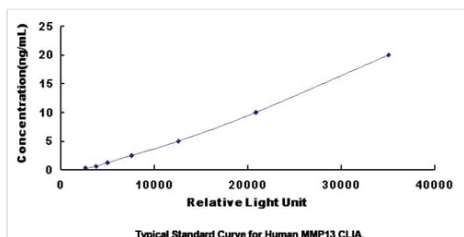
PRODUCT SYNONYMS

Matrix Metalloproteinase 13 (MMP13); Human Matrix Metalloproteinase 13 (MMP13) CLIA Kit; 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	19.3pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
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%
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)

ADDITIONAL INFORMATION

Related Product Information for MMP13 clia kit	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.;
Product Categories/Family for MMP13 clia kit	Enzyme & Kinase; Tumor immunity; Bone metabolism; Rheumatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	291195939
Molecular Weight	53,139 Da
NCBI Official Full Name	matrix metalloproteinase 13
UniProt Protein Name	Matrix metalloproteinase 13
UniProt Entry Name	E3SW76_ICTPU

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://www.aaabiotech.com/human-clia-kits/matrix-metalloproteinase-13-mmp13/129782>