

Rat matrix metalloproteinase 1 (interstitial collagenase) ELISA Kit | MMP1 elisa kit

Rat matrix metalloproteinase 1, MMP-1/Collagenase I ELISA Kit

CATALOG #
AAA14986

REACTIVITY
Rat

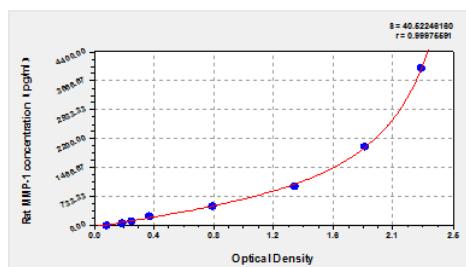
PRODUCT SYNONYMS

matrix metalloproteinase 1 (interstitial collagenase); Rat matrix metalloproteinase 1; MMP-1/Collagenase I ELISA Kit; Rat matrix metalloproteinase 1 (MMP-1/Collagenase I) ELISA kit; CLG; CLGN; fibroblast collagenase; matrix metalloprotease 1; matrix metalloproteinase 1; MMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat MMP-1. No significant cross-reactivity or interference between rat MMP-1 and analogues was observed.
Sequence Length	468
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	0.235 ng/ml-15 ng/ml
Sensitivity	< 0.058 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MMP-1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP-1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP-1 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MMP-1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	283837835
NCBI GeneID	100009110
NCBI Accession #	NP_001164610.1
NCBI GenBank Nucleotide #	NM_001171139.1
UniProt Accession #	P13943
Molecular Weight	53,740 Da
NCBI Official Full Name	interstitial collagenase
NCBI Official Symbol	MMP1
NCBI Official Synonym Symbols	MMP-1
NCBI Protein Information	interstitial collagenase; collagenase-1; matrix metalloproteinase-1
UniProt Protein Name	Interstitial collagenase
UniProt Gene Name	MMP1
UniProt Synonym Gene Names	MMP-1
UniProt Entry Name	MMP1_RABIT

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/mmp1-rat-elisa-kits/matrix-metalloproteinase-1-interstitial-collagenase/14986>