

Human matrix metalloproteinase 12 (macrophage elastase) ELISA Kit | MMP12 elisa kit

Human Matrix Metalloproteinase 12, MMP-12 ELISA Kit

CATALOG #
AAA15253

REACTIVITY
Human

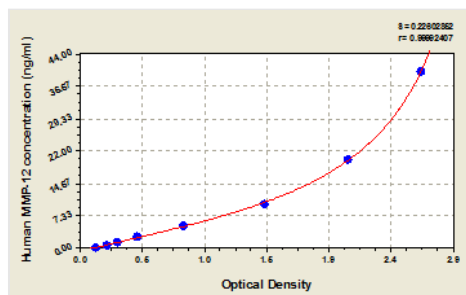
PRODUCT SYNONYMS

matrix metalloproteinase 12 (macrophage elastase); Human Matrix Metalloproteinase 12; MMP-12 ELISA Kit; Human Matrix Metalloproteinase 12 (MMP-12) ELISA Kit; HME; MGC138506; MME; macrophage elastase; macrophage metalloelastase; matrix metalloproteinase 12; matrix metalloproteinase 12 (macrophage elastase) ; MMP12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MMP-12. No significant cross-reactivity or interference between human MMP-12 and analogues was observed.
Sequence Length	470
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.625 ng/ml-40 ng/ml
Sensitivity	< 0.156 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 MMP12 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MMP-12 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP-12 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP-12 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-12 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 #	73858572
NCBI GeneID	4321
NCBI Accession #	NP_002417.2
NCBI GenBank Nucleotide #	NM_002426.4
UniProt Accession #	P39900; Q2M1L9; B2R9X8; B7ZLF6
Molecular Weight	54,002 Da
NCBI Official Full Name	macrophage metalloelastase preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 12 (macrophage elastase)
NCBI Official Symbol	MMP12
NCBI Official Synonym Symbols	ME; HME; MME; MMP-12
NCBI Protein Information	macrophage metalloelastase; matrix metalloproteinase 12 (macrophage elastase)
UniProt Protein Name	Macrophage metalloelastase
UniProt Gene Name	MMP12
UniProt Synonym Gene Names	HME; MME; ME; hME; MMP-12
UniProt Entry Name	MMP12_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/mmp12-human-elisa-kits/matrix-metalloproteinase-12-macrophage-elastase/15253>