

Mouse MMP12 ELISA Kit | MMP12 elisa kit

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CATALOG # AAA105788	REACTIVITY Mouse	APPLICATIONS ELISA
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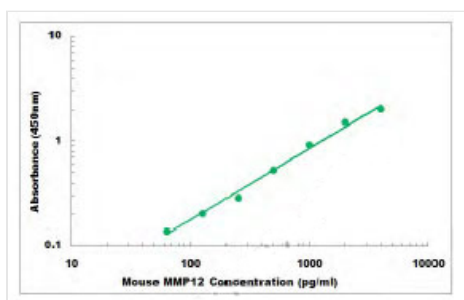
PRODUCT SYNONYMS

MMP12; Mouse MMP12 ELISA Kit; HME; Macrophage metalloelastase; MME; Macrophage elastase; ME; hME; Matrix metalloproteinase-12; MMP-12; MMP12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse MMP12 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse MMP12 proteins within the range of 62.5 pg/ml - 4000 pg/ml.
Sequence Length	473
Samples	Cell Culture Supernatants, Serum, Plasma
Sensitivity	10 pg/ml.
Applicable Applications for MMP12 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP12 elisa kit	Principle of the Assay: Mouse MMP12 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse MMP12 in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Mouse MMP12 coated on a 96-well plate. Standards and samples are pipetted into the wells and MMP12 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse MMP12 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of MMP12 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm. Background/Introduction: Matrix metalloproteinase-12 (MMP12), also known as MME or ME, is an enzyme that in humans is encoded by the MMP12 gene. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.2. It is thought that the protein encoded by this gene is cleaved at both ends to yield the active enzyme, but this processing has not been fully described. The enzyme degrades soluble and insoluble elastin. It may play a role in aneurysm formation and studies in mice suggest a role in the development of emphysema. This gene may involved in tissue injury and remodeling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	115392138
NCBI GeneID	17381
NCBI Accession #	NP_032631.3
NCBI GenBank Nucleotide #	NM_008605.3
UniProt Accession #	P34960; Q3TB28; Q3TBV6; Q3TBV9; Q3TD61; Q3U1S8; Q3U1S9; Q3U2R8; Q3UBC5; Q4FJM7; Q8BJ92; Q8BJB3
Molecular Weight	54,971 Da
NCBI Official Full Name	macrophage metalloelastase
NCBI Official Synonym Full Names	matrix metalloproteinase 12
NCBI Official Symbol	Mmp12
NCBI Official Synonym Symbols	Mmel; AV378681
NCBI Protein Information	macrophage metalloelastase; MME; MMP-12; macrophage elastase; macrophage-metalloelastase; matrix metalloproteinase 12; matrix metalloproteinase-12
UniProt Protein Name	Macrophage metalloelastase
UniProt Gene Name	Mmp12
UniProt Synonym Gene Names	Mme; Mmel; MME; MMP-12
UniProt Entry Name	MMP12_MOUSE

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/mouse-elisa-kits/mmp12/105788>