

Mouse MMP-3 ELISA Kit | MMP3 elisa kit

Mouse MMP-3 PicoKine ELISA Kit

CATALOG #
AAA45358

REACTIVITY
Mouse

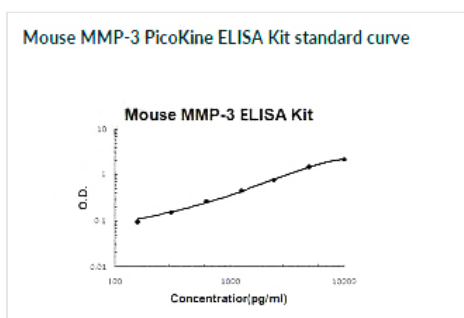
PRODUCT SYNONYMS

MMP-3; Mouse MMP-3 PicoKine ELISA Kit; Stromelysin-1; matrix metallopeptidase 3 (stromelysin 1; progelatinase); CHDS6; Matrix metalloproteinase 3; Matrix metalloproteinase 3 preproprotein; Matrix metalloproteinase-3; MGC126102; MGC126103; MGC126104; MMP 3; MMP3; MMP3_HUMAN; Progrelatinase; Proteoglycanase; SL 1; SL-1; SL1; STMY; STMY1; STR1; Stromelisin 1; Stromelysin 1; Stromelysin 1 progelatinase; Transin 1; Transin-1; MMP3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse MMP3
Sequence Length	477
Samples	Cell culture supernates, serum and plasma (heparin)
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP3 elisa kit

Principle of the Assay: The Picokine™ Mouse MMP3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse MMP3 with a 96-well strip plate that is pre-coated with antibody specific for MMP3. The detection antibody is a biotinylated antibody specific for MMP3. The capture antibody is monoclonal antibody from rat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse MMP3 with immunogen: Expression system for standard: NSO; Immunogen sequence: Y18-C477. The kit is analytically validated with ready to use reagents. To measure Mouse MMP3, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse MMP3 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse MMP3 in the sample.!!Background/Introduction: Matrix metalloproteinase-3(MMP-3) also called stromelysin or transin, is a proteoglycanase closely related to collagenase(MMP1) with a wide range of substrate specificities. The complete primary structure for human MMP-3, which has 477 residues including a 17-residue signal peptide. MMP-3 and collagenase are 54% identical in sequence, suggesting a common origin for the evolution of the two proteinases. MMP-3 and collagenase expression are coordinately modulated in synovial fibroblast cultures. MMP-3 is a secreted metalloprotease produced predominantly by connective tissue cells. Together with other metalloproteases, it can synergistically degrade the major components of the extracellular matrix. It is capable of degrading proteoglycan, fibronectin, laminin, and type IV collagen, but not interstitial type I collagen. MMP-3 genotype may be an important determinant of vascular remodeling and age-related arterial stiffening, with the heterozygote having the optimal balance between matrix accumulation and deposition.

NCBI AND UNIPROT INFORMATION

NCBI GI #	461769
NCBI GeneID	17392
UniProt Accession #	P28862
Molecular Weight	53,845 Da
NCBI Official Full Name	Stromelysin-1
NCBI Official Synonym Full Names	matrix metalloproteinase 3
NCBI Official Symbol	Mmp3
NCBI Official Synonym Symbols	SLN1; Str1; SLN-1; STR-1; Stmy1
NCBI Protein Information	stromelysin-1; SL-1; EMS-2; MMP-3; transin-1; progelatinase; stromelysin 1; matrix metalloproteinase 3; matrix metalloproteinase-3
UniProt Protein Name	Stromelysin-1
UniProt Gene Name	Mmp3
UniProt Synonym Gene Names	SL-1; MMP-3
UniProt Entry Name	MMP3_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/mmp3-mouse-elisa-kits/mmp-3/45358>