

Horse Matrix Metalloproteinase 1 (MMP1) ELISA Kit | MMP1 elisa kit

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CATALOG #
AAA66549

REACTIVITY
Horse

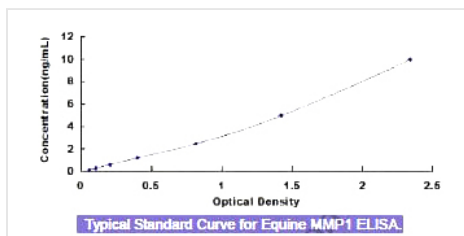
PRODUCT SYNONYMS

Matrix Metalloproteinase 1 (MMP1); Horse Matrix Metalloproteinase 1 (MMP1) ELISA Kit; CLGN; CLG1; Collagenase; Interstitial Collagenase; Vertebrate Collagenase; Fibroblast Collagenase; MMP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Horse
Specificity	This assay has high sensitivity and excellent specificity for detection of MMP1. No significant cross-reactivity or interference between MMP1 and analogues was observed.
Sequence Length	469
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.040ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MMP1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MMP1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MMP1 in equine serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MMP1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MMP1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MMP1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MMP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	126352554
NCBI GeneID	100033896
NCBI Accession #	NP_001075316.1
NCBI GenBank Nucleotide #	NM_001081847.2
UniProt Accession #	Q9XSZ5
Molecular Weight	54,002 Da
NCBI Official Full Name	interstitial collagenase
NCBI Official Symbol	MMP1
NCBI Official Synonym Symbols	MMP-1
NCBI Protein Information	interstitial collagenase
UniProt Protein Name	Interstitial collagenase
UniProt Gene Name	MMP1
UniProt Synonym Gene Names	MMP-1

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/horse-elisa-kits/matrix-metalloproteinase-1-mmp1/66549>