

Guinea Pig Matrix metalloproteinase 12 ELISA Kit | MMP-12 elisa kit

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CATALOG #
AAA96666

REACTIVITY
Guinea Pig

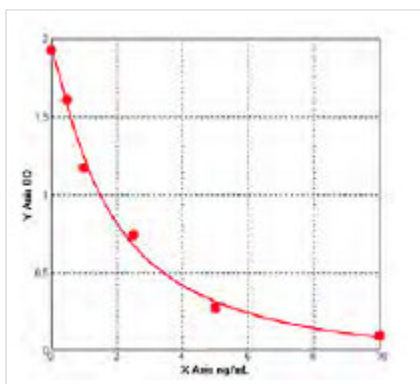
PRODUCT SYNONYMS

Matrix metalloproteinase 12; Guinea pig Matrix metalloproteinase 12 ELISA Kit; MMP-12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP-12 elisa kit

Intended Uses: This MMP-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine MMP-1. This ELISA kit for research use only!

Principle of the Assay: MMP-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MMP-1 antibody and an MMP-1-HRP conjugate. The assay sample and buffer are incubated together with MMP-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MMP-1 concentration since MMP-1 from samples and MMP-1-HRP conjugate compete for the anti-MMP-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MMP-1 from the sample, fewer sites are left to bind MMP-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MMP-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	85567332
NCBI GeneID	4321
Molecular Weight	54,002 Da
NCBI Official Full Name	Matrix metalloproteinase 12, 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/mmp-12-guinea-pig-pig-elisa-kits/matrix-metalloproteinase-12/96666>