

Rat MMP-12 ELISA Kit | MMP-12 elisa kit

Rat MMP-12 (Matrix Metalloproteinase 12) ELISA Kit

CATALOG #
AAA21885

REACTIVITY
Rat

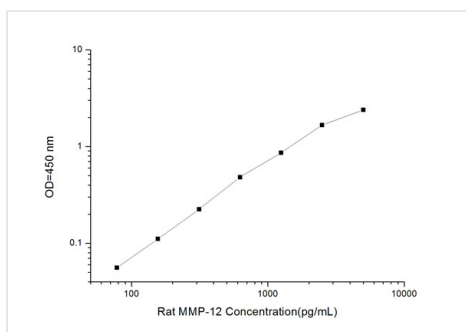
PRODUCT SYNONYMS

MMP-12; Rat MMP-12 (Matrix Metalloproteinase 12) ELISA Kit; MMP-12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat MMP-12 in samples. No significant cross-reactivity or interference between Rat MMP-12 and analogues was observed.
Sequence Length	470
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	78.13-5000pg/mL
Sensitivity	46.88pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat MMP-12 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat MMP-12 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP-12 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat MMP-12. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Rat MMP-12 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat MMP-12, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The OD value is proportional to the concentration of Rat MMP-12. You can calculate the concentration of Rat MMP-12 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat MMP-12 concentrations in serum, plasma and other biological fluids.
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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 metallopeptidase 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.