

Rat 72 kDa type IV collagenase ELISA Kit | Mmp2 elisa kit

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CATALOG #
AAA193554

REACTIVITY
Rat

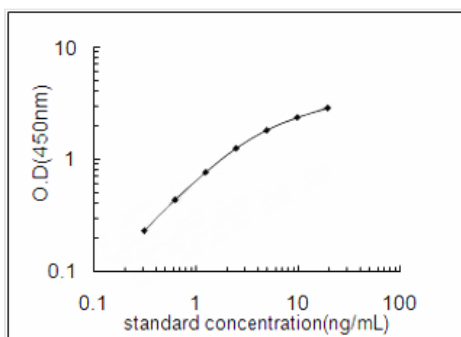
PRODUCT SYNONYMS

72 kDa type IV collagenase; Rat 72 kDa type IV collagenase ELISA Kit; 72 kDa gelatinase; Gelatinase A; Matrix metalloproteinase-2; MMP-2; Mmp2; 3.4.24.24; Mmp2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural rat 72 kDa type IV collagenase. No significant cross-reactivity or interference was observed.
Sequence Length	662
Assay Type	Sandwich
Detection Range	0.312-20 ng/mL
Sensitivity	0.168 ng/mL
Intra-Assay CV	<=3.2%
Inter-Assay CV	<=7.8%
Recovery	97%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Mmp2 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat 72 kDa type IV collagenase concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to rat 72 kDa type IV collagenase. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for rat 72 kDa type IV collagenase and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain rat 72 kDa type IV collagenase, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of rat 72 kDa type IV collagenase 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 #	146262019
NCBI GeneID	81686
NCBI Accession #	NP_112316.2
NCBI GenBank Nucleotide #	NM_031054.2
UniProt Accession #	P33436; P97581; Q6GMM9
Molecular Weight	74,149 Da
NCBI Official Full Name	72 kDa type IV collagenase
NCBI Official Synonym Full Names	matrix metallopeptidase 2
NCBI Official Symbol	Mmp2
NCBI Protein Information	72 kDa type IV collagenase
UniProt Protein Name	72 kDa type IV collagenase
UniProt Gene Name	Mmp2
UniProt Synonym Gene Names	MMP-2
UniProt Entry Name	MMP2_RAT

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/mmp2-rat-elisa-kits/72-kda-type-iv-collagenase/193554>