

Rat Matrix metalloproteinase 2 ELISA Kit | MMP-2 elisa kit

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CATALOG #
AAA15966

REACTIVITY
Rat

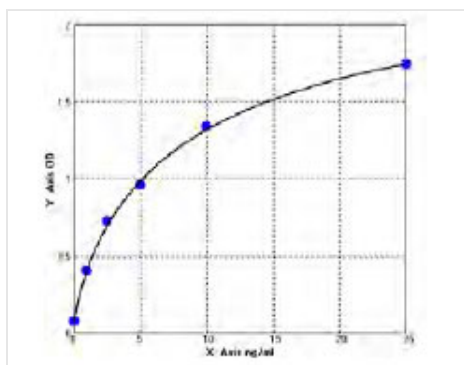
PRODUCT SYNONYMS

Matrix metalloproteinase 2; Rat Matrix metalloproteinase 2 ELISA Kit; MMP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP-2 elisa kit

Intended Uses: This MMP-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MMP-2. This ELISA kit for research use only!

Principle of the Assay: MMP-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MMP-2 antibody and an MMP-2-HRP conjugate. The assay sample and buffer are incubated together with MMP-2-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-2 concentration since MMP-2 from samples and MMP-2-HRP conjugate compete for the anti-MMP-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by MMP-2 from the sample, fewer sites are left to bind MMP-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MMP-2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for MMP-2 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	8050250
NCBI GeneID	81686
Molecular Weight	74,149 Da
NCBI Official Full Name	MMP-2, partial
NCBI Official Synonym Full Names	matrix metallopeptidase 2
NCBI Official Symbol	Mmp2
NCBI Protein Information	72 kDa type IV collagenase; MMP-2; gelatinase A; 72 kDa gelatinase; matrix metalloproteinase 2; matrix metalloproteinase-2
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/mmp-2-rat-elisa-kits/matrix-metalloproteinase-2/15966>