

Rat Matrix metalloproteinase 13 ELISA Kit | MMP-13 elisa kit

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CATALOG #
AAA82520

REACTIVITY
Rat

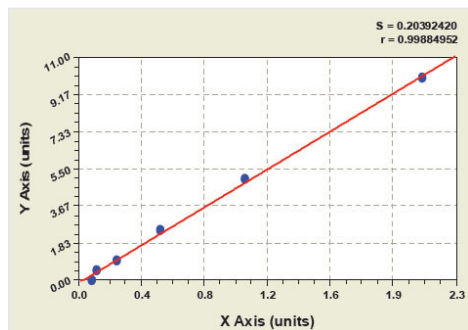
PRODUCT SYNONYMS

Matrix metalloproteinase 13; Rat Matrix metalloproteinase 13 ELISA Kit; MMP-13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This MMP-13 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat MMP-13. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP-13 elisa kit

Principle of the Assay: MMP-13 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MMP-13. Standards or samples are then added to the microtiter plate wells and MMP-13 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MMP-13 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for MMP-13 are added to each well to "sandwich" the MMP-13 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MMP-13 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MMP-13 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12584825
Molecular Weight	16,463 Da
NCBI Official Full Name	MMP-13, partial
UniProt Protein Name	MMP-13
UniProt Entry Name	Q9BGL6_SHEEP

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-13-rat-elisa-kits/matrix-metalloproteinase-13/82520>