

Human Matrix metalloproteinase 13 ELISA Kit | MMP 13 elisa kit

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CATALOG #
AAA83407

REACTIVITY
Human

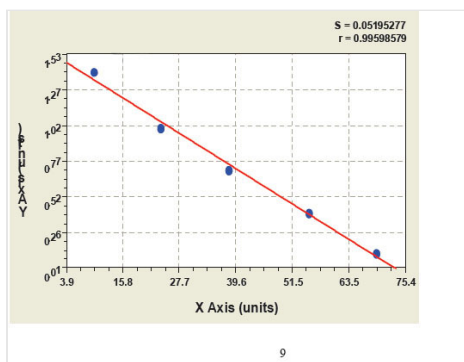
PRODUCT SYNONYMS

Matrix metalloproteinase 13; Human Matrix metalloproteinase 13 ELISA Kit; MMP 13 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/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 Human 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 competitive enzyme immunoassay technique utilizing a monoclonal anti-MMP-13 antibody and an MMP-13-HRP conjugate. The assay sample and buffer are incubated together with MMP-13-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-13 concentration since MMP-13 from samples and MMP-13-HRP conjugate compete for the anti-MMP-13 antibody binding site. Since the number of sites is limited, as more sites are occupied by MMP-13 from the sample, fewer sites are left to bind MMP-13-HRP conjugate. 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://www.aaabiotech.com/mmp-13-human-elisa-kits/matrix-metalloproteinase-13/83407>