

Sheep Matrix Metalloproteinase 3 ELISA Kit | MMP-3 elisa kit

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CATALOG #
AAA92437

REACTIVITY
Sheep

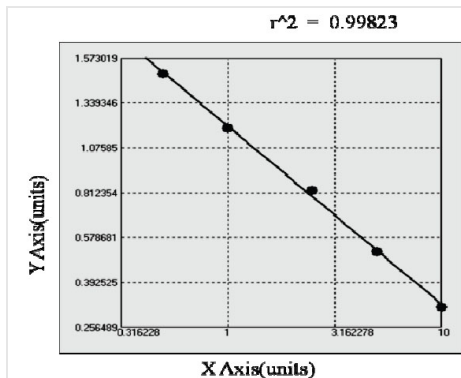
PRODUCT SYNONYMS

Matrix Metalloproteinase 3; Sheep Matrix Metalloproteinase 3 ELISA Kit; MMP-3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP-3 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This MMP3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep MMP3. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY MMP3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MMP3 antibody and an MMP3-HRP conjugate. The assay sample and buffer are incubated together with MMP3-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 MMP3 concentration since MMP3 from samples and MMP3-HRP conjugate compete for the anti-MMP3 antibody binding site. Since the number of sites is limited, as more sites are occupied by MMP3 from the sample, fewer sites are left to bind MMP3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MMP3 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	8176609
NCBI GeneID	281309
Molecular Weight	16,673 Da
NCBI Official Full Name	MMP-3, partial
NCBI Official Synonym Full Names	matrix metalloproteinase 3 (stromelysin 1, progelatinase)<
NCBI Official Symbol	MMP3
NCBI Protein Information	stromelysin-1; metalloproteinase 3 receptor
UniProt Protein Name	MMP-3
UniProt Gene Name	bmmp-3
UniProt Entry Name	Q9N283_BOVIN

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-3-sheep-elisa-kits/matrix-metalloproteinase-3/92437>