

Rabbit Matrix metalloproteinase 9 ELISA Kit | MMP-9 elisa kit

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CATALOG #
AAA82942

REACTIVITY
Rabbit

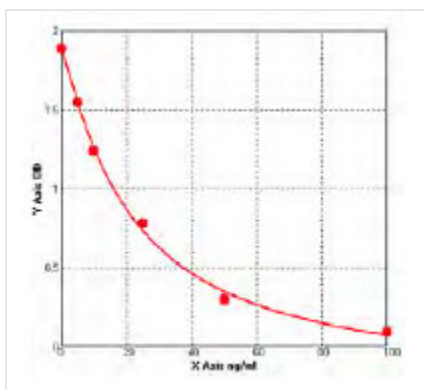
PRODUCT SYNONYMS

Matrix metalloproteinase 9; Rabbit Matrix metalloproteinase 9 ELISA Kit; MMP-9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive or Sandwich
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-9 elisa kit

Intended Uses: This MMP-9ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit MMP-9. This ELISA kit for research use only!

Principle of the Assay: MMP-9ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MMP-9antibody and an MMP-9-HRP conjugate. The assay sample and buffer are incubated together with MMP-9-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-9concentration since MMP-9from samples and MMP-9-HRP conjugate compete for the anti-MMP-9antibody binding site. Since the number of sites is limited, as more sites are occupied by MMP-9from the sample, fewer sites are left to bind MMP-9-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MMP-9concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	74272287
NCBI GeneID	4318
NCBI Accession #	NP_004985.2
NCBI GenBank Nucleotide #	NM_004994.2
Molecular Weight	78,458 Da
NCBI Official Full Name	matrix metalloproteinase-9 preproprotein
NCBI Official Synonym Full Names	matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)
NCBI Official Symbol	MMP9
NCBI Official Synonym Symbols	GELB; CLG4B; MMP-9; MANDP2
NCBI Protein Information	matrix metalloproteinase-9; 92 kDa gelatinase; type V collagenase; macrophage gelatinase; 92 kDa type IV collagenase; matrix metalloproteinase 9 (gelatinase B, 92kDa gelatinase, 92kDa type IV collagenase)
UniProt Protein Name	Matrix metalloproteinase-9
UniProt Gene Name	MMP9
UniProt Synonym Gene Names	CLG4B; MMP-9; GELB
UniProt Entry Name	MMP9_HUMAN

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.