

Rat MMP9 ELISA Kit | MMP9 elisa kit

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CATALOG #
AAA263167

REACTIVITY
Rat

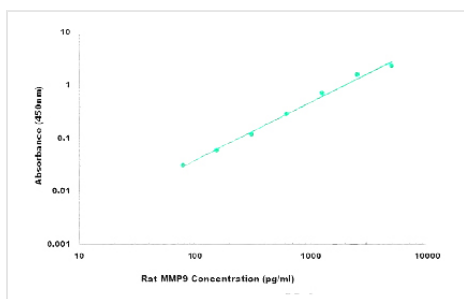
PRODUCT SYNONYMS

MMP9; Rat MMP9 ELISA Kit; CLG4B; Matrix metalloproteinase-9; MMP-9; 92 kDa gelatinase; 92 kDa type IV collagenase; Gelatinase B; GELB; MMP9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat MMP9 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat MMP9 proteins within the range of 78 pg/ml - 5000 pg/ml.
Sequence Length	708
Samples	Cell culture supernates, serum, plasma
Sensitivity	< 40 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP9 elisa kit

Principle of the Assay: The AAA Biotech' Rat MMP9 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat MMP9 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat MMP9 coated on a 96-well plate. Standards and samples are pipetted into the wells and MMP9 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat MMP9 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of MMP9 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background/Introduction: Matrix metalloproteinase 9 (MMP-9) is also known as 92 kDa type IV collagenase, 92 kDa gelatinase or gelatinase B (GELB). The 72- and 92-kDa type IV collagenases are members of a group of secreted zinc metalloproteases. The matrix metalloproteinases (MMPs) are able to degrade the extracellular matrix and allow angiogenesis and tumor invasion. MMP-9 is predominantly expressed in neutrophils, macrophages, and mast cells, rather than in oncogene-positive neoplastic cells. The polymorphism of MMP-9 acts as a genetic factor for the development of smoking-induced pulmonary emphysema.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13591993
NCBI GeneID	81687
NCBI Accession #	NP_112317.1
NCBI GenBank Nucleotide #	NM_031055.1
UniProt Accession #	P50282
Molecular Weight	78,611 Da
NCBI Official Full Name	matrix metalloproteinase-9
NCBI Official Synonym Full Names	matrix metalloproteinase 9
NCBI Official Symbol	Mmp9
NCBI Protein Information	matrix metalloproteinase-9
UniProt Protein Name	Matrix metalloproteinase-9
UniProt Gene Name	Mmp9
UniProt Synonym Gene Names	MMP-9; GELB
UniProt Entry Name	MMP9_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/mmp9/263167>