

MMP-9 elisa kit

MMP-9 (Mouse) ELISA Kit

 CATALOG #
AAA72648

PRODUCT SYNONYMS

MMP-9; MMP-9 (Mouse) ELISA Kit; Matrix metalloproteinase 9; 92 kDa type IV collagenase; 92 kDa gelatinase; Gelatinase B; GELB; MMP-9 elisa kit

PRODUCT SPECIFICATIONS

Sequence Length	707
Samples	Mouse Serum, Plasma, Body Fluids, Tissue Homogenate Or Cell Culture Supernatants
Assay Type	Sandwich
Detection Range	156 pg/ml-10,000 pg/ml
Sensitivity	<10 pg/ml
Preparation and Storage	2 - 8 degree C

IMAGES

Typical Data & Standard Curve								
Results of a typical standard run of a mouse MMP-9 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A not applicable)								
X	pg/ml	0	156	312	625	1250	2500	5000
Y	OD450	0.094	0.111	0.144	0.226	0.357	0.673	1.187

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MMP-9 elisa kit

Intended Uses: The mouse MMP-2 ELISA has been designed for the precise analytical measurement of MMP-2 concentrations in serum, plasma, body fluids, tissue homogenate or cell culture supernatants from mice. For research use only.

Principle of the Assay: This kit is based on a sandwich enzyme-linked immune-sorbent assay technology. An analyte-specific polyclonal antibody is pre-coated onto 96-well plates. The biotin conjugated second antibody is used as detection antibody. During the first incubation the standards and samples react with the analyte-specific pre-coated antibody. In a second incubation the biotin conjugated detection antibody completes the sandwich. After washing with wash buffer the TMB substrate is added to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changes into yellow after adding acidic stop solution. The optical density of the yellow color is proportional to the analyte captured in plate. Read the O.D. absorbance at 450nm in a microtiterplate reader, and calculate the concentration of the analyte in the sample by taking into consideration the dilution factor of the sample!!
Background/Introduction: Type IV collagenase, 72-kD, is officially designated matrix metalloproteinase-2 (MMP2). It is also known as gelatinase, 72-kD. It is a metalloproteinase that specifically cleaves type IV collagen, the major structural component of basement membranes. MMP-2 is a likely effector of endometrial menstrual breakdown. It plays a role in endometrial menstrual breakdown, regulation of vascularization and the inflammatory response. Kenny et al. (2008) found that expression of MMP2 was induced upon attachment of ovarian cancer (OvCa) cells to mesothelium.

Product Categories/Family for MMP-9 elisa kit

Immunology; Cytokines & Cell Signalling; Research Assays; Assay Categories

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
NCBI Official Symbol	MMP9
NCBI Official Synonym Symbols	GELB; CLG4B; MMP-9; MANDP2
NCBI Protein Information	matrix metalloproteinase-9
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/elisa-kits/mmp-9/72648>