

Mouse MMP-2 ELISA Kit | MMP-2 elisa kit

MMP-2 Mouse ELISA Kit

CATALOG # AAA58972	REACTIVITY Mouse	APPLICATIONS ELISA
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PRODUCT SYNONYMS

MMP-2; MMP-2 Mouse ELISA Kit; Mouse MMP-2; MMP-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Assay Type	Sandwich
Samples	Mouse serum, plasma, body fluids, tissue lysates or cell culture supernatants
Detection Range	625 pg/ml-40,000 pg/ml
Sensitivity	< 10 pg/ml
Applicable Applications for MMP-2 elisa kit	ELISA
Preparation and Storage	Store at 2-8 degree C for 4 months, or at -20 degree C for 8 months.

ADDITIONAL INFORMATION

Related Product Information for MMP-2 elisa kit	Background: 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. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MMP-2 polyclonal antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-MMP-2 polyclonal antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the MMP-2 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MMP-2 can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83776608
NCBI GeneID	653022
NCBI Accession #	NP_001032958.1
NCBI GenBank Nucleotide #	NM_001037869.1
NCBI Official Full Name	matrix metalloproteinase-2
NCBI Official Symbol	mmp-2

NCBI Official Synonym Symbols	fgmmp-2
NCBI Protein Information	matrix metalloproteinase-2

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/mouse-elisa-kits/mmp-2/58972>