

Mouse Matrix Metalloproteinase 9 (MMP9) ELISA Kit | MMP9 elisa kit

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CATALOG #
AAA332409

REACTIVITY
Mouse

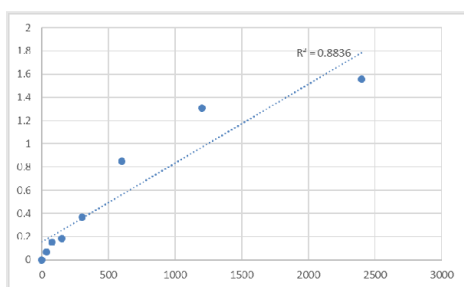
PRODUCT SYNONYMS

Matrix Metalloproteinase 9 (MMP9); Mouse Matrix Metalloproteinase 9 (MMP9) ELISA Kit; MMP9; GELB; Gelatinase B; CLG4B; CLG4-B; 92 KDa Gelatinase; 92kDa Type IV Collagenase; MANDP2; macrophage gelatinase; matrix metalloproteinase 9; type V collagenase; MMP9 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Matrix metalloproteinase 9 (MMP9) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse MMP9. No significant cross-reactivity or interference between Mouse MMP9 and analogues was observed.
Sequence Length	730
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Mouse Matrix metalloproteinase 9 (MMP9) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MMP9 elisa kit	Description: This Mouse Matrix metalloproteinase 9 (MMP9) ELISA Kit employs a two-site sandwich ELISA to quantitate MMP9 in samples. An antibody specific for MMP9 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MMP9 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MMP9 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MMP9 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Mmp9 encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme that degrades collagens of type IV, V and XI, and elastin. Mice lacking the encoded protein exhibit an abnormal pattern of skeletal growth plate vascularization and ossification, reduced keratinocyte hyperproliferation at all neoplastic stages, a decreased incidence of invasive tumors, and resistance to experimental autoimmune encephalomyelitis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	341940960
NCBI GeneID	17395
UniProt Accession #	P41245
NCBI Official Full Name	Matrix metalloproteinase-9
NCBI Official Synonym Full Names	matrix metalloproteinase 9
NCBI Official Symbol	Mmp9
NCBI Official Synonym Symbols	Clg4b; Gel B; MMP-9; B/MMP9; AW743869; pro-MMP-9
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_MOUSE

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://www.aaabiotech.com/mouse-elisa-kits/matrix-metalloproteinase-9-mmp9/332409>