

## Mouse Matrix metalloproteinase-9 ELISA Kit (2 plates)

<b>Catalogue No.:</b>	BEK-2074-2P
<b>Description:</b>	The mouse Matrix metalloproteinase-9 (MMP-9) Kit is a sandwich ELISA. The capture antibody is a mouse MMP-9 antibody pre-coated onto the 96-well strip plates provided in the kit. Mouse test samples and standards of known MMP-9 concentration are added to these wells and allowed to complex with the bound MMP-9 antibody. A biotinylated MMP-9 antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of MMP-9 present in the samples. The purpose of this kit is the in-vitro quantitative determination of mouse MMP-9 in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.
<b>Batch No.:</b>	See product labels
<b>Other Names:</b>	MMP-9; MMP9; Matrix metalloproteinase-9; 92 kDa gelatinase; 92 kDa type IV collagenase; Gelatinase B; GELB; CLG4B;
<b>Accession:</b>	P41245 MMP9_MOUSE;
<b>Specificity:</b>	Mouse MMP-9
<b>Storage:</b>	Store at 2-8C
<b>Specific References:</b>	Rohl J (2017) Intracellular trafficking and secretion of matrix metalloproteinases during macrophage migration. PhD Thesis Queensland University of Technology, Australia.  Wang Y et al. (2014) Influence of apolipoprotein E, age and aortic site on calcium phosphate induced abdominal aortic aneurysm in mice. <i>Atherosclerosis</i> . 2014 Jul;235(1):204-12.  Moxon JV et al. (2014) Proteomic and genomic analyses suggest the association of apolipoprotein C1 with abdominal aortic aneurysm. <i>Proteomics Clin Appl</i> . 2014 Oct;8(9-10):762-72.
<b>Kit components:</b>	The ELISA kit box contains 2 x 96-well pre-coated strip plates, protein standards, detection reagents, substrate buffer and detailed protocols.
<b>Range:</b>	156 pg/mL - 10,000 pg/mL
<b>Sensitivity:</b>	< 20 pg/ml
<b>Kit protocol:</b>	Please refer to our online product listing for current protocol/MSDS versions.

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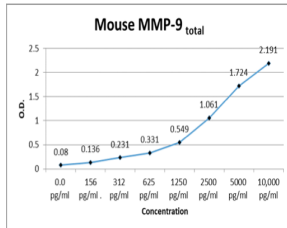
FOR RESEARCH USE ONLY

## Mouse Matrix metalloproteinase-9 ELISA Kit (2 plates)

IX: Typical Standard Curve (for reference only, not to be used for actual data)

Concentration pg/ml	0.0 pg/ml	156 pg/ml	312 pg/ml	625 pg/ml	1250 pg/ml	2500 pg/ml	5000 pg/ml	10,000 pg/ml
O.D.	0.080	0.136	0.231	0.331	0.549	1.061	1.724	2.191

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



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