

## Summary

<b>Production Name</b>	MMP9 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ICC,FC,ELISA
<b>Reactivity</b>	Human,Mouse,Rat,Rabbit,Monkey

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG2a
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	MMP9
<b>Alternative Names</b>	GELB; CLG4B; MMP-9; MANDP2
<b>Gene ID</b>	4318.0
<b>SwissProt ID</b>	P14780.Purified recombinant fragment of human MMP9 expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	IHC:1:200-1:1000,ICC:1:200-1:1000,FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	92kDa

## Background

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal

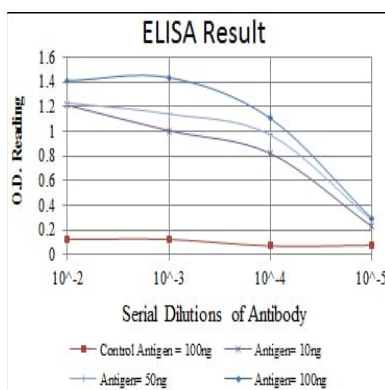
**Product Name: MMP9 Mouse Monoclonal Antibody**  
**Catalog #: AMM81024**



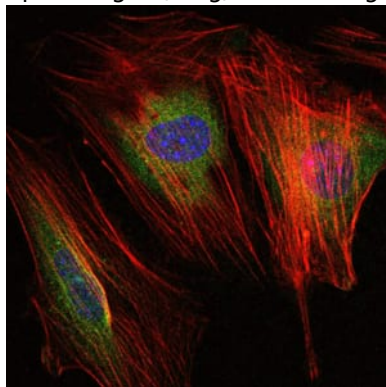
physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization of hematopoietic progenitor cells from bone marrow, and murine studies suggest a role in tumor-associated tissue remodeling.

## Research Area

## Image Data

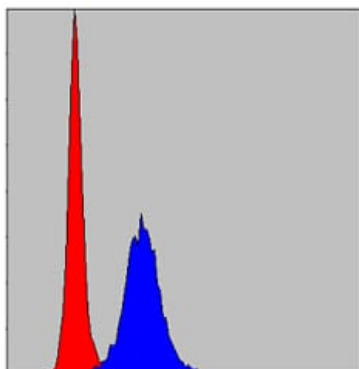


Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

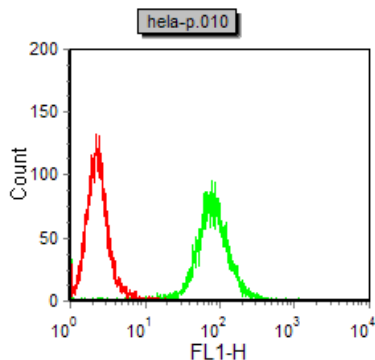


Immunofluorescence analysis of NIH/3T3 cells using MMP9 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

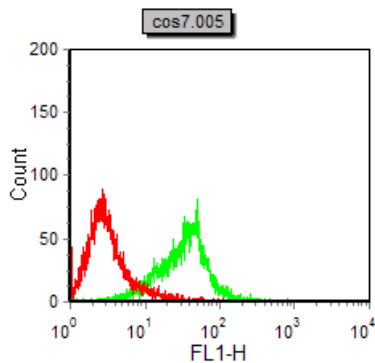
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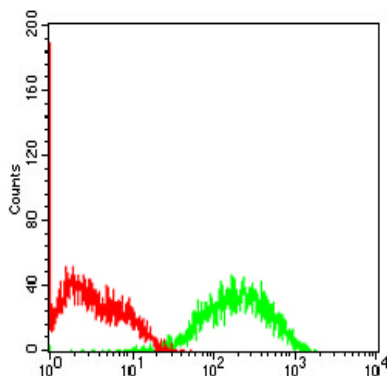
Flow cytometric analysis of HeLa cells using MMP9 mouse mAb (blue) and negative control (red).



Flow cytometric analysis of HeLa cells using MMP9 mouse mAb (green) and negative control (red).



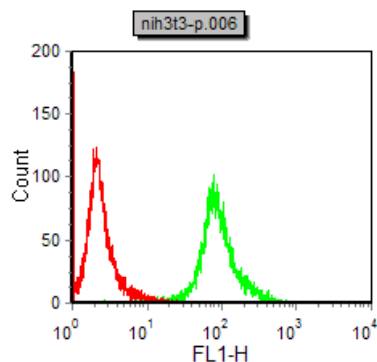
Flow cytometric analysis of COS7 cells using MMP9 mouse mAb (green) and negative control (red).



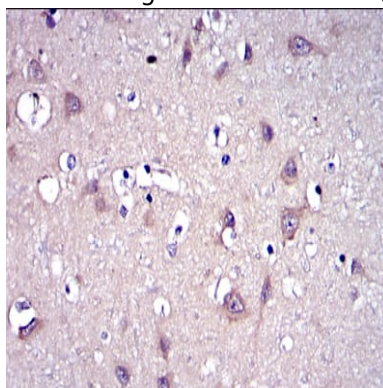
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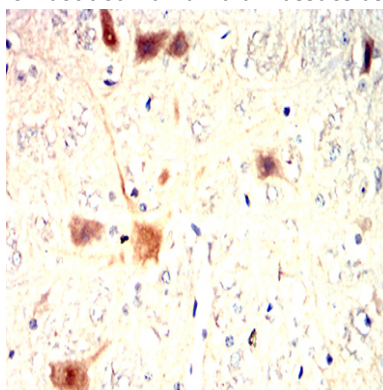
Flow cytometric analysis of C6 cells using MMP9 mouse mAb (green) and negative control (red).



Flow cytometric analysis of NIH/3T3 cells using MMP9 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human brain tissues using MMP9 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat cerebellum using MMP9 mouse mAb with DAB staining.

## Note

For research use only.