

产品名称: MMP9 Mouse Monoclonal Antibody
产品货号: AMM81024



产品概述 (Summary)

产品名称 (Production Name)	MMP9 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC, ELISA, FC
种属反应性 (Reactivity)	Human, Mouse, Rat, Rabbit, Monkey

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG2a
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MMP9
别名 (Alternative Names)	GELB; CLG4B; MMP-9; MANDP2
基因 ID (Gene ID)	4318.0
蛋白 ID (SwissProt ID)	P14780. Purified recombinant fragment of human MMP9 expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400
蛋白分子量 (Molecular Weight)	92kDa

研究背景 (Background)

Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease

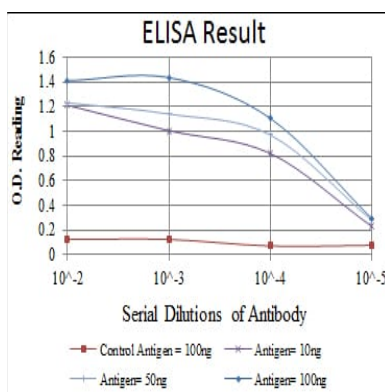
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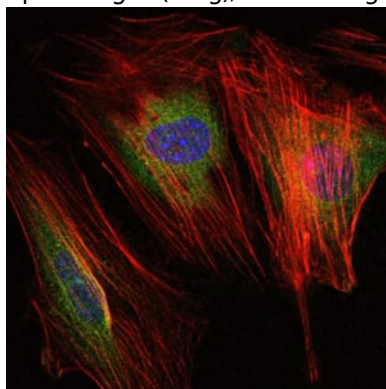
processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. The enzyme encoded by this gene degrades type IV and V collagens. Studies in rhesus monkeys suggest that the enzyme is involved in IL-8-induced mobilization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

研究领域 (Research Area)

图片 (Image Data)

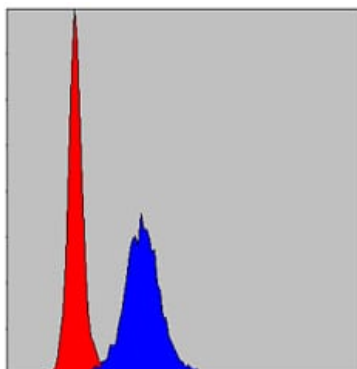


Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);

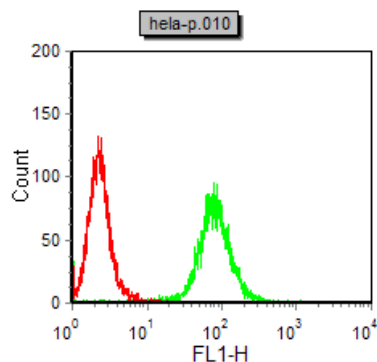


Immunofluorescence analysis of NIH/3T3 cells using MMP9 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

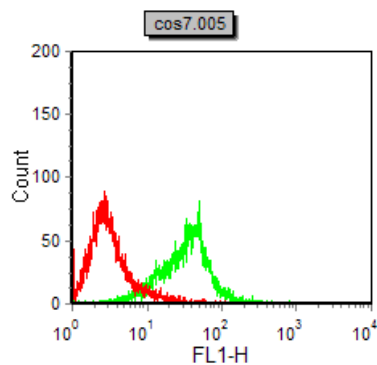
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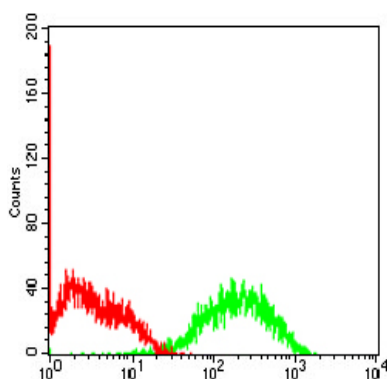
Flow cytometric analysis of HeLa cells using MMP9 mouse mAb (blue) and negative control (red).



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



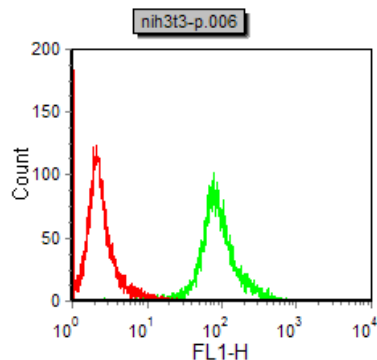
Flow cytometric analysis of COS7 cells using MMP9 mouse mAb (green) and negative control (red).



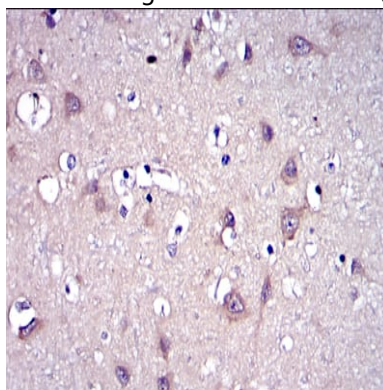
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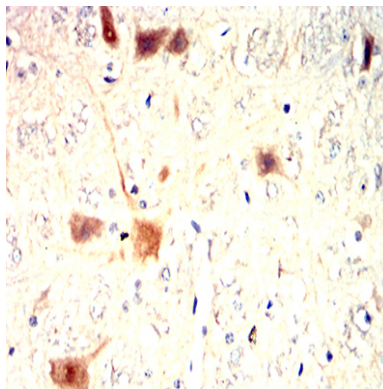
Flow cytometric analysis of C6 cells using MMP9 mouse mAb (green) and negative control (red).



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.

注意事项 (Note)

For research use only .