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MMP1 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1586a

Product Information

Application	WB, IHC, FC, ICC, E
Primary Accession	P03956
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	6A5
Isotype	IgG1
Calculated MW	54007 Da
Description	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 processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes a secreted enzyme which breaks down the interstitial collagens, types I, II, and III. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3. Alternative splicing results in multiple transcript variants.
Immunogen	Purified recombinant fragment of human MMP1 expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Other Names	Interstitial collagenase, 3.4.24.7, Fibroblast collagenase, Matrix metalloproteinase-1, MMP-1, 22 kDa interstitial collagenase, 27 kDa interstitial collagenase, MMP1, CLG
Dilution	WB~~1/500 - 1/2000 IHC~~1/500 - 1/2000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MMP1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

References

1. Arthritis Res Ther. 2009;11(6):R169. 2. FEMS Microbiol Lett. 2009 Oct;299(2):214-22.

Images

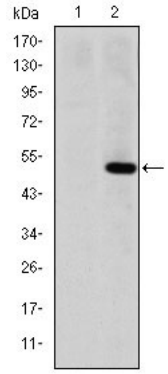

Figure 1: Western blot analysis using MMP1 mAb against HEK293 (1) and MMP1(AA: 24-213)-hIgGFc transfected HEK293 (2) cell lysate.

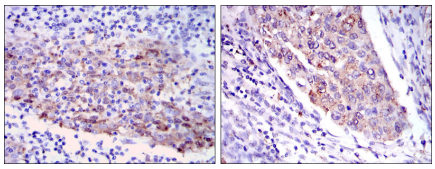

Figure 2: Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues (left) and human kidney cancer tissues (right) using MMP1 mouse mAb with DAB staining.

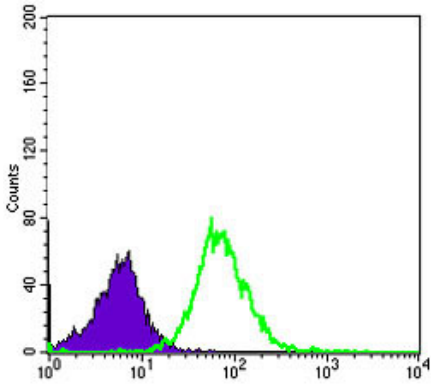

Figure 3: Flow cytometric analysis of Hela cells using MMP1 mouse mAb (green) and negative control (purple).

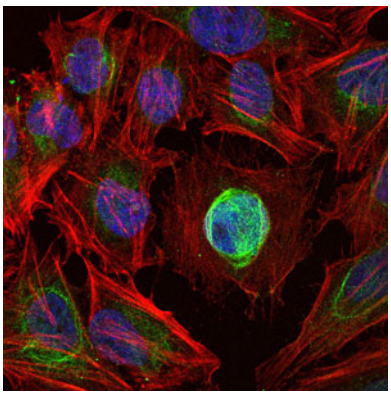

Figure 4: Immunofluorescence analysis of Hela cells using MMP1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.