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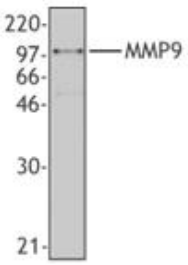
Product Data Sheet

Purified anti-MMP9

Catalog # / Size: 635002 / 100 µg
Clone: F11P2C3
Isotype: Mouse IgG1, κ
Immunogen: Ovalbumin-conjugated synthetic Peptide KLGLGADVAQVT
Reactivity: Human
Preparation: The antibody was purified by affinity chromatography.
Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml.
Concentration: 0.5 mg/ml
Storage: Upon receipt, store undiluted at 4°C."



Purified human MMP-9 (500 ng per lane) was resolved by electrophoresis, transferred to nitrocellulose, and probed with monoclonal antibody against MMP-9, clone F11P2C3.

Applications:

Applications: WB - *Quality tested*
IHC - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. For Western blotting, suggested working dilution(s): Use 5-10 µg per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:
1. Murray G, *et al.* 1998. *Gut.* 43:791. (IHC)
2. Murray G, *et al.* 1998. *J. Pathol.* 185:256. (IHC)
3. Duncan ME, *et. al.* 1998. *Eur. J. Biochem.* 258:37. (IHC)

Description: Matrix metalloproteinases (MMPs) are zinc-dependent endopeptidases that degrade substances within the extracellular matrix. The MMP family includes six different groups of enzymes: collagenases, gelatinases, stromelysins, transmembrane MMPs, matrilysins and others. MMPs are secreted as proenzymes that have to be cleaved in order to be activated. Other MMPs, plasmins as well as other factors activate MMPs. MMPs are thought to play an important role in tissue remodeling associated with various physiological and pathological processes. MMP9 degrades of proteins in the extracellular matrix and activates growth factors like proTGFb and proTNFa. MMP-9 contributes to the invasion and metastasis of various human malignancies. Clone F11P2C3 has been shown to be useful for western blotting and immunohistochemistry of human MMP9.

Antigen References:
1. Huhtala P, *et al.* 1991. *J. Biol. Chem.* 266:16485.

Related Products:

Product	Clone	Application
AKP Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, WB, IHC
Biotin Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	FC, ELISA, IHC, IF, WB
HRP Goat anti-mouse IgG (minimal x-reactivity)	Poly4053	ELISA, IHC, WB

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