

MMP2 (3A8) MOUSE MAB

Cat.#: N261112

Product Name: Anti-MMP2 (3A8) Mouse Monoclonal Antibody

Synonyms: MMP2; CLG4A; 72 kDa type IV collagenase; 72 kDa gelatinase; Gelatinase A; Matrix metalloproteinase-2; MMP-2; TBE-1

UNIPROT ID: P08253

Background: MMP2 Ubiquitous metalloproteinase that is involved in diverse functions such as remodeling of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture. As well as degrading extracellular matrix proteins, can also act on several nonmatrix proteins such as big endothelial 1 and beta-type CGRP promoting vasoconstriction. Also cleaves KISS at a Gly-I-Leu bond. Appears to have a role in myocardial cell death pathways.

Immunogen: Purified recombinant human MMP-2 protein expressed in E.coli.

Applications: WB, ICC/IF

Recommended Dilutions: WB: 1/500-1/1000 IF: 1/50-1/200

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 3A8-C1-E8

MW: Calculated MW: 74 kDa; Observed MW: 74 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human, Mouse

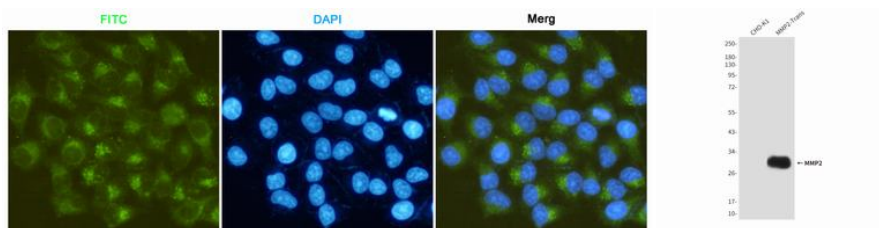
Conjugation: Unconjugated

Modification: Unmodified

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

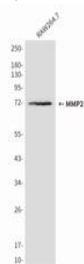
Research Areas: Cardiovascular

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



Immunofluorescence analysis of MMP2 (3A8) in HeLa using MMP2 antibody, and DAPI (blue).

Western blot analysis of MMP2 (3A8) in CHO-K1 (B) and CHO-K1 transfected by MMP2 fragment(A) lysates using MMP2 antibody.



Western blot analysis of MMP2 (3A8) in Raw264.7 lysates using MMP2 antibody.