

## 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

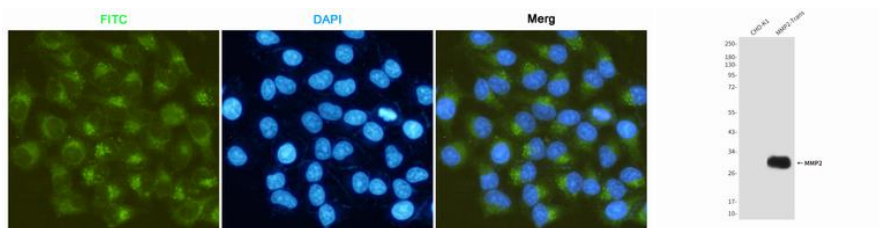
**Conjugation:** Unconjugated

**Modification:** Unmodified

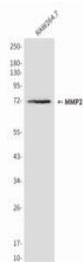
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**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.