

Mouse Anti-MMP2 [CA-4001]: MC0551

Intended Use: For Research Use Only

Description: MMPs are proteolytic enzymes capable of degrading connective tissue components. They have a common mode of activation, a conserved amino acid sequence in the putative metal binding-active site region, and are inhibited by specific tissue inhibitors of metalloproteinases (TIMPs). MMPa and TIMPs play a significant role in regulating angiogenesis. MMP-2 is synthesized as a 631 amino acid proenzyme which is activated by cleavage of the first 80 amino acids. This antibody reacts with both latent and active MMP-2.

Specifications

Clone: CA-4001
Source: Mouse
Reactivity: Human
Isotype: IgG1
Localization: Cytoplasm
Formulation: Purified antibody in 0.2% BSA and 15mM sodium azide (NaN₃)
Storage: Store at 2°- 8°C. For longer periods of storage, store at -20°C. Avoid repeat freeze-thaw cycles
Applications: IHC
Package:

Description	Catalog No.	Size
MMP2 Concentrated	MC0551	1 ml

IHC Procedure*

Positive Control Tissue: Placenta, bladder, breast, ovarian cancer
Concentrated Dilution: 25-50
Pretreatment: Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.