MMP2 / Collagenase Type IV A (Tumor Metastasis Marker) Antibody

Mouse Monoclonal Antibody [Clone 4D3]

Catalog No	Format	Size
4313-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
4313-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
4313-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

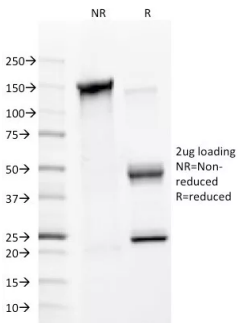
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	4D3
Gene Name	MMP2
Immunogen	Recombinant human MMP2 protein fragment (aa557-569)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	72kDa (Pro); 63kDa (cleaved)
Cellular Localization	Cytoplasm. Cell surface.
Species Reactivity	Human
Positive Control	U-138 MG or U-87 MG cells. Human placenta or colon carcinoma.

**Optimal dilution for a specific application should be determined.*

Product Images for MMP2 / Collagenase Type IV A (Tumor Metastasis Marker) Antibody



SDS-PAGE Analysis of Purified MMP2 Mouse Monoclonal Antibody (4D3). Confirmation of Integrity and Purity of Antibody.

Specificity & Comments

It recognizes a protein of 72kDa, which is identified as MMP2. The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including collagen, gelatin, Fibronectin, Laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP-2 (also designated type IV collagenase) cleaves collagen types IV,V, VII and X and gelatin type I. Activation of MMP-2 secretion requires the Ras signaling pathway.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Developmental Biology, Immunology, Angiogenesis, BBB VCAM-1 Signaling, Bladder Cancer, Colon Cancer, Cytokine Signaling, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.