



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Matrix Metalloproteinase 3 (MMP3). Mouse Monoclonal Antibody
SL-1, Matrix metalloproteinase-3, MMP-3, Transin-1

BACKGROUND

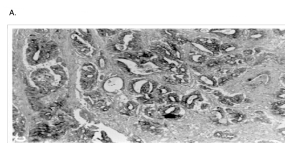
The matrix metalloproteinases (MMP) are a family of peptidase enzymes responsible for the degradation of extracellular matrix components, including Collagen, gelatin, Fibronectin, Laminin and proteoglycan. Transcription of MMP genes is differentially activated by phorbol ester, lipopolysaccharide (LPS) or staphylococcal enterotoxin B (SEB). MMP catalysis requires both calcium and zinc. MMP-3, MMP-10 and MMP-11 (also designated stromelysin-1, 2 and 3, respectively) activate procollagenase. MMP-3 activation of procollagenase can occur via two pathways. Direct activation by MMP-3 is slow and activation by MMP-3 in conjunction with tissue or plasma proteinases is rapid. MMP-10 is expressed in small intestine, and at lower levels in lung and heart. MMP-11 is specifically expressed in stromal cells of breast carcinomas and contributes to epithelial cell malignancies.

IMMUNOGEN

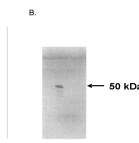
Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with a synthetic peptide derived from the C-terminus of the human MMP3 protein and mouse myeloma Ag8563 cells.

Left: Immunohistochemical staining of human gastric carcinoma tissue using MMP-3 antibody (Cat. No. X2055M).

Right: Western blot of recombinant human MMP-3 proenzyme using MMP-3 antibody.



Immunohistochemistry (formalin fixed paraffin embedded sections) MMP-3 expression in gastric carcinoma (Murray et al 1998)



Recombinant MMP-3 proenzyme (human)

ORDERING INFORMATION

CATALOG NUMBER
X2055M

SIZE
200 µg

FORM
Unconjugated

HOST/CLONE
Mouse Clone 1B4

FORMULATION
Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION
See vial for concentration

ISOTYPE
IgG1

APPLICATIONS
ELISA, Western Blot, Immunohistochemistry

SPECIES REACTIVITY
Human

ACCESSION NUMBER
Human P08254

POSITIVE CONTROL/TISSUE EXPRESSION

Oesophageal and gastric tissues. Expressed at higher levels in tumor.

COMMENTS

Antibody can be used for Western blotting (1-2 $\mu\text{g/ml}$) and immunohistochemistry on formalin-fixed paraffin-embedded tissue sections (1-5 $\mu\text{g/ml}$). Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Protein A/G Chromatography

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C . Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Knauper, V., et al. (1996). Activation of human neutrophil procollagenase by stromelysin 2. Eur. J. Biochem. 235(1-2);187-191
2. Saus, J. et al. (1988). The complete primary structure of human matrix metalloproteinase-3. Identity with stromelysin. J. Biol. Chem. 263;6742-6745

PRODUCT SPECIFIC REFERENCES