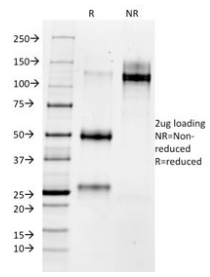
Matrix Metalloproteinase 3 Antibody / MMP3 [clone 1B4] (V7960)

Catalog No.	Formulation	Size
V7960-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7960-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7960SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, lambda
Clone Name	1B4
Purity	Protein G affinity chromatography
UniProt	P08254
Applications	ELISA: 2-4ug/ml for coating (order BSA/azide-free format)
Limitations	This Matrix Metalloproteinase 3 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free Matrix Metalloproteinase 3 antibody as confirmation of integrity and purity.

Description

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.

Application Notes

Optimal dilution of the Matrix Metalloproteinase 3 antibody should be determined by the researcher.

Immunogen

Amino acids 317-327 from the human protein were used as the immunogen for this Matrix Metalloproteinase 3 antibody.

Storage

Store the Matrix Metalloproteinase 3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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