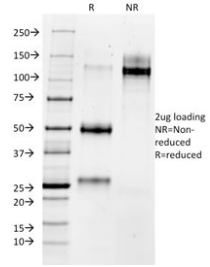
MMP3 Antibody / Matrix Metalloproteinase 3 [clone MMP3/1730] (V7959)

Catalog No.	Formulation	Size
V7959-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7959-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7959SAF-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
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, lambda
Clone Name	MMP3/1730
Purity	Protein G affinity chromatography
UniProt	P08254
Applications	ELISA (order BSA-free Format For Coating) : Immunohistochemistry (FFPE) 1-2ug/ml :
Limitations	This MMP3 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free MMP3 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 MMP3 antibody should be determined by the researcher.

Immunogen

A recombinant human full length protein was used as the immunogen for this MMP3 antibody.

Storage

Store the MMP3 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).