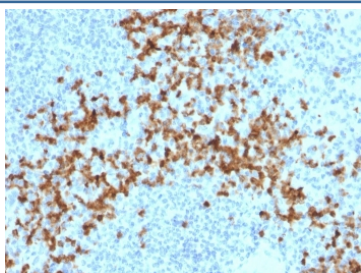


Matrix metalloproteinase 9 Antibody / MMP9 [clone 2C3] (V7961)

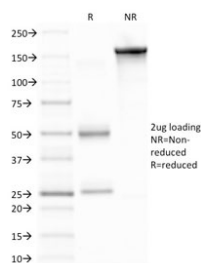
Catalog No.	Formulation	Size
V7961-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7961-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7961SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	2C3
Purity	Protein G affinity chromatography
UniProt	P14780
Localization	Cytoplasmic, nuclear, secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Matrix metalloproteinase 9 antibody is available for research use only.



IHC staining of FFPE human spleen with Matrix metalloproteinase 9 antibody (clone 2C3). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Matrix metalloproteinase 9 antibody (clone 2C3) 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-9 (also designated 92 kDa type IV collagenase or gelatinase B) has been shown to degrade bone collagens in concert with MMP-1 (also designated interstitial collagenase, fibroblast collagenase or collagenase-1), and cysteine proteases and may play a role in bone osteoclastic resorption. MMP-1 is down-regulated by p53, and abnormality of p53 expression may contribute to joint degradation in rheumatoid arthritis by regulating MMP-1 expression.

Application Notes

Optimal dilution of the Matrix metalloproteinase 9 antibody should be determined by the researcher.

Immunogen

Amino acids 603-614 were used as the immunogen for the Matrix metalloproteinase 9 antibody.

Storage

Store the Matrix metalloproteinase 9 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).