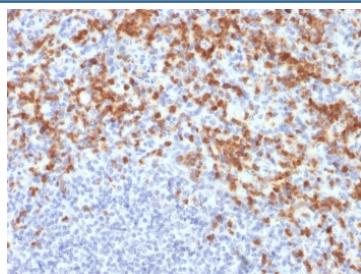


MMP9 Antibody / Matrix metalloproteinase-9 [clone MMP9/2477] (V7962)

Catalog No.	Formulation	Size
V7962-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7962-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7962SAF-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 IgG2b, kappa
Clone Name	MMP9/2477
Purity	Protein G affinity chromatography
UniProt	P14780
Localization	Cytoplasmic, nuclear, secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This MMP9 antibody is available for research use only.



IHC staining of FFPE human spleen with MMP9 antibody (clone MMP9/2477). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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 MMP9 antibody should be determined by the researcher.

Immunogen

A recombinant human partial protein (amino acids 22-166) was used as the immunogen for this MMP9 antibody.

Storage

Store the MMP9 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).