

MMP-9 (Clone ZM88) Mouse Monoclonal Antibody

Specificity: Human and Guinea pig. Does not react with mouse, rat, or bovine. Others not tested

Immunogen: Recombinant fragment corresponding to amino acids 603-614 of human MMP-9.

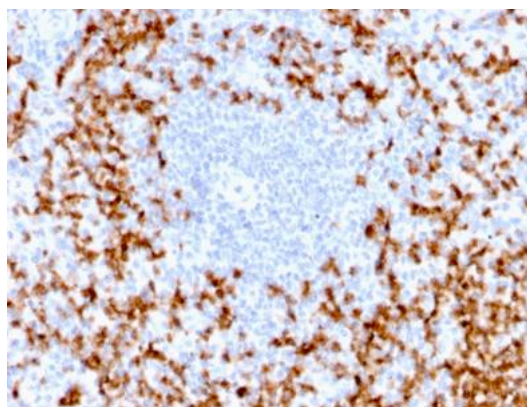
Ig Class: IgG2b/ κ

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months.

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100-200; *Positive Control:* Placenta, or breast carcinoma. *Cellular Localization:* Cytoplasmic. *Intended Use:* In vitro diagnosis (IVD).

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.

Supplied As: Affinity purified antibody from rabbit anti-serum in 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human spleen stained with anti-MMP-9 antibody using peroxidase-conjugate and DAB chromogen. Note the cytoplasmic staining of lymphocytes

Cat. #Z2398 (1.0 ml)

