anti-human MMP-1 antibody

anti-Matrix Metalloproteinase 1 monoclonal antibody 3B6

BACKGROUND
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 downregulated by p53, and abnormality of p53 expression may contribute to joint degradation in rheumatoid arthritis by regulating MMP-1 expression.

IMMUNOGEN
Hybridoma produced by the fusion of splenocytes from BALB/c mice immunized with a synthetic peptide derived from the C-terminus of the human MMP1 protein and mouse myeloma Ag8563 cells.

SHIP CONDITIONS
Ship at ambient temperature, freeze upon arrival.

STORAGE
Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles.

STABILITY
Products are stable for one (1) year from purchase when stored properly.

References:


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