anti-human MMP-2 antibody

anti-Matrix Metalloproteinase 2 monoclonal antibody 4D3

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-2 (also designated type IV collagenase) cleaves Collagen Types IV, V, VII and X and gelatin type I. Activation of MMP-2 secretion requires the Ras signaling pathway.

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 MMP2 protein and mouse myeloma Ag8563 cells.

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival.

STORAGE

Product should be stored at 2-8°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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