9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

36-2788: Anti-MMP3 (Marker of Metastasis and Rheumatoid Arthritis) Monoclonal Antibody(Clone: 1B4)

Clonality :	Monoclonal
Clone Name :	1B4
Application :	ELISA
Reactivity :	Human
Gene :	MMP3
Gene ID :	4314
Uniprot ID :	P08254
Alternative Name :	CHDS6; Matrix metalloproteinase 3; Matrix metalloproteinase-3; MMP3; Proteoglycanase; SL1; STMY1; STR1; Stromelysin-1; Transin 1
Isotype :	Mouse IgG1, lambda
Immunogen Information :	Recombinant fragment corresponding to amino acids 317-327 of human MMP3.

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-3, MMP-10 and MMP-11 (also designated stromelysin-1, 2 and 3, respectively) activate procollagenase. MMP-3 activation of procollagenase can occur via two pathways. Direct activation by MMP-3 is slow and activation by MMP-3 in conjunction with tissue or plasma proteinases is rapid. MMP-10 is expressed in small intestine, and at lower levels in lung and heart. MMP-11 is specifically expressed in stromal cells of breast carcinomas and contributes to epithelial cell malignancies.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

ELISA (Use at 2-4ug/ml for coating) (Order without BSA)

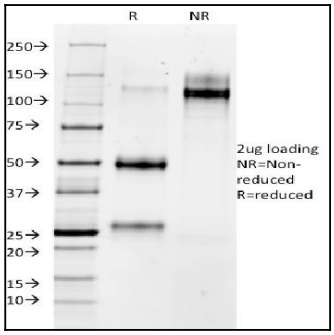


Fig. 1: SDS-PAGE Analysis of Purified MMP3 Mouse Monoclonal Antibody (1B4). Confirmation of Integrity and Purity of Antibody.

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