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Product datasheet for AM06715PU-N

MMP3 Mouse Monoclonal Antibody [Clone ID: 4F10]

Product data:

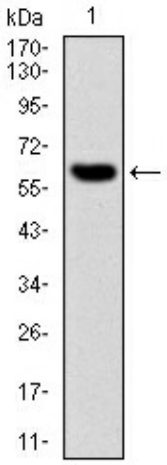
Product Type:	Primary Antibodies
Clone Name:	4F10
Applications:	ELISA, FC, WB
Recommended Dilution:	**Western Blot**: 1/500 - 1/2000. **Flow cytometry:** 1/200 - 1/400. **ELISA**: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human MMP3 expressed in E. Coli.
Specificity:	This antibody reacts to MMP3.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Stabilizer: 0,5% BSA Preservative: 0.05% sodium azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	54 kDa
Gene Name:	matrix metallopeptidase 3
Database Link:	Entrez Gene 4314 Human P08254

View online »

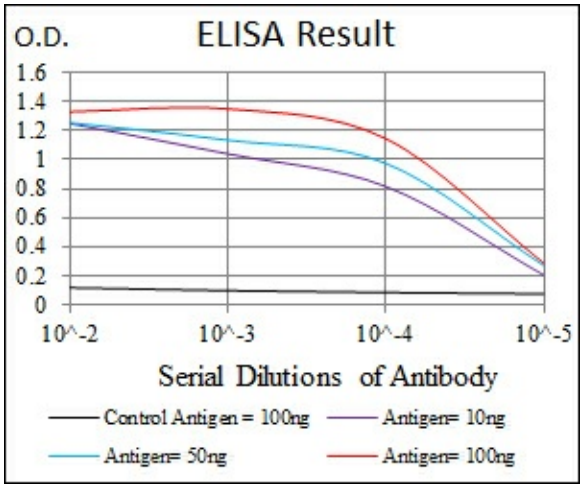
Background: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.

Synonyms: Stromelysin-1, SL-1, Matrix metalloproteinase-3, Transin-1, MMP3, STMY1

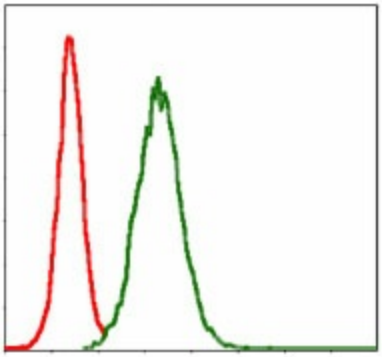
Product images:



Western blot analysis using MMP3 mAb against human MMP3 (AA: 189-441) recombinant protein. (Expected MW is 54 kDa)



Red: Control Antigen (100ng) Purple: Antigen (10ng) Green: Antigen (50ng) Blue: Antigen (100ng)



Flow cytometric analysis of NIH/3T3 cells using MMP3 mouse mAb (green) and negative control (red).