

**DATASHEET**

**MMP9 Mouse Monoclonal Antibody(C3686)**

CAT. NO. AMA03298

**KEY FEATURES**

Target	MMP9	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgM. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Matrix metalloproteinase that plays an essential role in local proteolysis of the extracellular matrix and in leukocyte migration . Could play a role in bone osteoclastic resorption . Cleaves KISS1 at a Gly-|-Leu bond . Cleaves NINJ1 to generate the Secreted ninjurin-1 form . Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments . Degrades fibronectin but not laminin or Pz-peptide.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

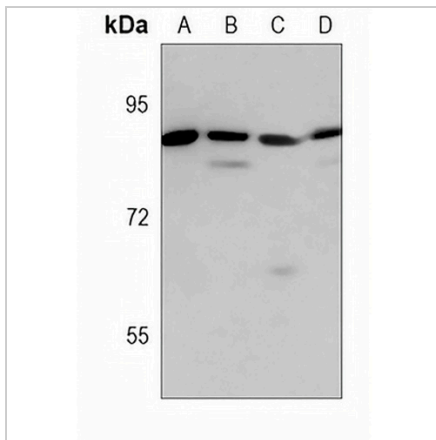
Description	Mouse monoclonal antibody to MMP9
Specificity	Recognizes endogenous levels of MMP9 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human MMP9. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 78 kD; Observed: 92 kD
Form/Buffer	Mouse IgM. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	CLG4B; Matrix metalloproteinase-9; MMP-9; 92 kDa gelatinase; 92 kDa type IV collagenase; Gelatinase B; GELB
Gene Symbol	MMP9
Entrez Gene	4318(Human)
SwissProt	P14780(Human)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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**DATA**

Western blot analysis of MMP9 expression in 293 (A), ZR751 (B), HL60 (C), CCRFCEM (D) whole cell lysates. (Predicted band size: 78 kD; Observed band size: 92 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.