

**DATASHEET**

**ADAMTS4 Mouse Monoclonal Antibody(C3537)**

CAT. NO. AMA03149

**KEY FEATURES**

Target	ADAMTS4	Source / Host	Mouse
Reactivity	Human	Clonality	Monoclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

**BACKGROUND**

Cleaves aggrecan, a cartilage proteoglycan, at the '392-Glu-|-Ala-393' site and may be involved in its turnover . Also cleaves COMP . May play an important role in the destruction of aggrecan in arthritic diseases. Could be a critical factor in the exacerbation of neurodegeneration in Alzheimer disease.

**APPLICATION**

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

WB	1:500 - 1:4000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

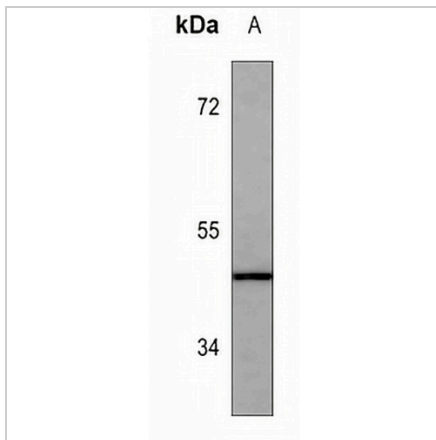
Description	Mouse monoclonal antibody to ADAMTS4
Specificity	Recognizes endogenous levels of ADAMTS4 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human ADAMTS4. The exact sequence is proprietary.
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 90 kD; Observed: 42 kD
Form/Buffer	Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	KIAA0688; A disintegrin and metalloproteinase with thrombospondin motifs 4; ADAM-TS 4; ADAM-TS4; ADAMTS-4; ADMP-1; Aggrecanase-1
Gene Symbol	ADAMTS4
Entrez Gene	9507(Human)
SwissProt	O75173(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 ADAMTS4 expression in recombinant protein (A) whole cell lysates. (Predicted band size: 90 kD; Observed band size: 42 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.