

Mouse Monoclonal Antibody to ADAMTS1
Purified Mouse Monoclonal Antibody
Catalog # AO2480a**Specification**

Mouse Monoclonal Antibody to ADAMTS1 - Product Information

Application	E, WB, FC
Primary Accession	O9UHI8
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	105.4kDa KDa

Description

This gene encodes a member of the ADAMTS (a disintegrin and metalloproteinase with thrombospondin motif) protein family. Members of the family share several distinct protein modules, including a propeptide region, a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. Individual members of this family differ in the number of C-terminal TS motifs, and some have unique C-terminal domains. The protein encoded by this gene contains two disintegrin loops and three C-terminal TS motifs and has anti-angiogenic activity. The expression of this gene may be associated with various inflammatory processes as well as development of cancer cachexia. This gene is likely to be necessary for normal growth, fertility, and organ morphology and function.;

Immunogen

Purified recombinant fragment of human ADAMTS1 (AA: 858-960) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

Application Note

ELISA: 1/10000; WB: 1/500 - 1/2000; FCM: 1/200 - 1/400

Mouse Monoclonal Antibody to ADAMTS1 - Additional Information

Gene ID 9510

Other Names

C3-C5; METH1

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Mouse Monoclonal Antibody to ADAMTS1 is for research use only and not for use in diagnostic or therapeutic procedures.

Mouse Monoclonal Antibody to ADAMTS1 - Protein Information

Name ADAMTS1

Synonyms KIAA1346, METH1

Function

Cleaves aggrecan, a cartilage proteoglycan, at the '1938- Glu-|-Leu-1939' site (within the chondroitin sulfate attachment domain), and may be involved in its turnover (By similarity). Has angiogenic inhibitor activity. Active metalloprotease, which may be associated with various inflammatory processes as well as development of cancer cachexia. May play a critical role in follicular rupture.

Cellular Location

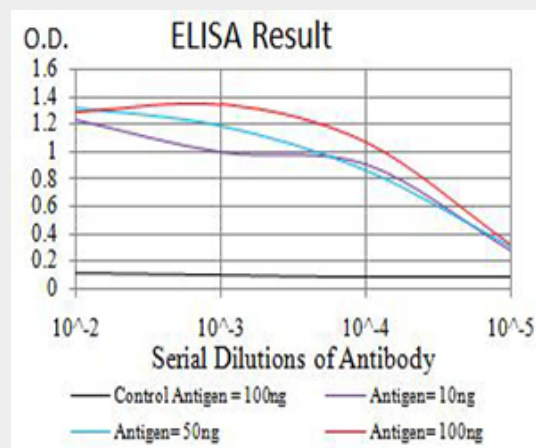
Secreted, extracellular space, extracellular matrix

Mouse Monoclonal Antibody to ADAMTS1 - Protocols

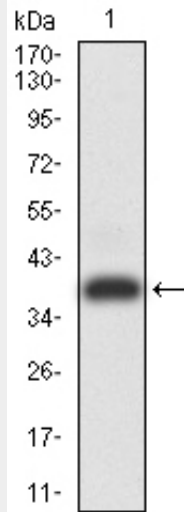
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

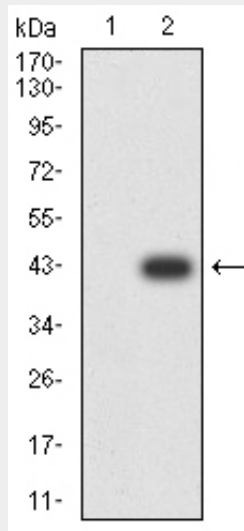
Mouse Monoclonal Antibody to ADAMTS1 - Images



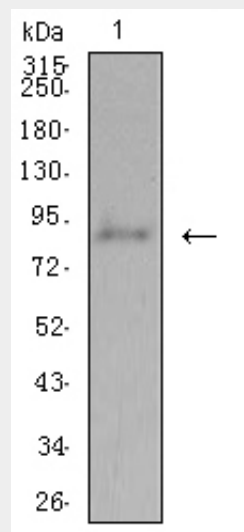
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



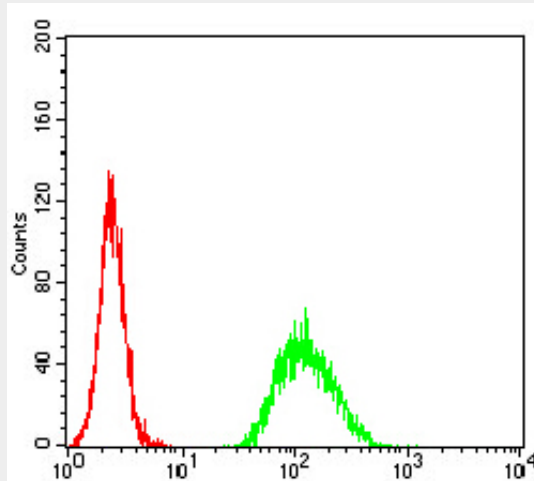
Western blot analysis using ADAMTS1 mAb against human ADAMTS1 (AA: 858-960) recombinant protein. (Expected MW is 38.3 kDa)



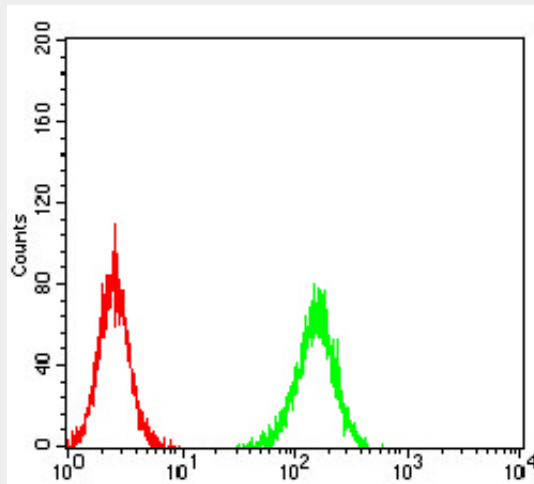
Western blot analysis using ADAMTS1 mAb against HEK293 (1) and ADAMTS1 (AA: 858-960)-hlgGfC transfected HEK293 (2) cell lysate.



Western blot analysis using ADAMTS1 mouse mAb against Hela (1) cell lysate.



Flow cytometric analysis of Hela cells using ADAMTS1 mouse mAb (green) and negative control (red).



Flow cytometric analysis of K562 cells using ADAMTS1 mouse mAb (green) and negative control (red).

Mouse Monoclonal Antibody to ADAMTS1 - References

1. Mol Cancer. 2013 Jan 5;12:2. ;
2. Cancer Sci. 2012 Oct;103(10):1889-97.;