

**ADAMTS13 Antibody (monoclonal) (M06)**

Mouse monoclonal antibody raised against a partial recombinant ADAMTS13.

Catalog # AT1047a

**Specification**

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**ADAMTS13 Antibody (monoclonal) (M06) - Product Information**

Application	E
Primary Accession	<a href="#">O76LX8</a>
Other Accession	<a href="#">NM_139025</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	153604

**ADAMTS13 Antibody (monoclonal) (M06) - Additional Information**

Gene ID 11093

**Other Names**

A disintegrin and metalloproteinase with thrombospondin motifs 13, ADAM-TS 13, ADAM-TS13, ADAMTS-13, von Willebrand factor-cleaving protease, vWF-CP, vWF-cleaving protease, ADAMTS13, C9orf8

**Target/Specificity**

ADAMTS13 (NP\_620594, 1328 a.a. ~ 1427 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

ADAMTS13 Antibody (monoclonal) (M06) is for research use only and not for use in diagnostic or therapeutic procedures.

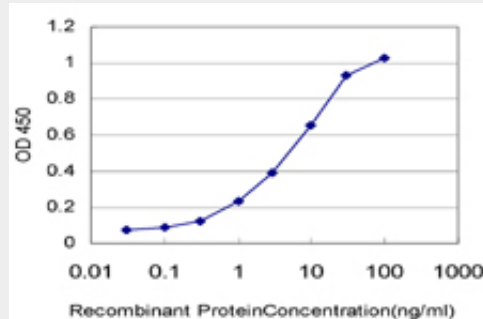
**ADAMTS13 Antibody (monoclonal) (M06) - Protocols**

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](#)

#### **ADAMTS13 Antibody (monoclonal) (M06) - Images**



Detection limit for recombinant GST tagged ADAMTS13 is approximately 0.1ng/ml as a capture antibody.

#### **ADAMTS13 Antibody (monoclonal) (M06) - Background**

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 enzyme encoded by this gene is the von Willebrand Factor (vWF)-cleaving protease, which is responsible for cleaving at the site of Tyr842-Met843 of the vWF molecule. A deficiency of this enzyme is associated with thrombotic thrombocytopenic purpura. Alternative splicing of this gene generates multiple transcript variants encoding different isoforms.

#### **ADAMTS13 Antibody (monoclonal) (M06) - References**

Polymorphisms and Mutations in vWF and ADAMTS13 Genes and Their Correlation With Plasma Levels of FVIII and vWF in Patients With Deep Venous Thrombosis. Bittar LF, et al. Clin Appl Thromb Hemost, 2010 Aug 3. PMID 20682599. A splice variant of ADAMTS13 is expressed in human hepatic stellate cells and cancerous tissues. Shomron N, et al. Thromb Haemost, 2010 Sep. PMID 20664912. Human variation in alcohol response is influenced by variation in neuronal signaling genes. Joslyn G, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201926. HLA-DRB1\*11: a strong risk factor for acquired severe ADAMTS13 deficiency-related idiopathic thrombotic thrombocytopenic purpura in Caucasians. Coppo P, et al. J Thromb Haemost, 2010 Apr. PMID 20141578. Amino acid residues Arg(659), Arg(660), and Tyr(661) in the spacer domain of ADAMTS13 are critical for cleavage of von Willebrand factor. Jin SY, et al. Blood, 2010 Mar 18. PMID 20075158.