

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ADAMTS10 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human ADAMTS1, 3, 4, 5, 12, 13, 15, 16, or L2 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 496708
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAMTS10 Phe26-Gly1102 Accession # Q9H324
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ADAMTS10 belongs to the ADAMTS (a disintegrin and metalloproteinase domain with thrombospondin type-1 motifs) family of zinc-dependent metalloproteases. They have been demonstrated to have important roles in connective tissue organization, coagulation, inflammation, arthritis, angiogenesis and cell migration. Mutations in the ADAMTS10 gene may cause autosomal recessive Weill-Marchesani syndrome. The amino acid sequence of human ADAMTS10 is 100%, 96% and 94% identical to that of chimpanzee, dog and mouse.

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