Human ADAMTS8 Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF6614T
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ADAMTS8 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAMTS8 Pro29-Arg691 (Gly35Arg, Gly431Ala, Val526Ala) Accession # AAD48081
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.
Immunohistochemistry	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

ADAMTS8 (A disintegrin and metalloprotease with thrombospondin motifs 8; also METH-2) is a 95 kDa member of an ADAMTS subfamily of Zn metalloproteases that includes ADAMST-1, -4, -5 and -15. It is expressed by chrondrocytes, neurons, astrocytes and macrophages, and likely participates in proteoglycan (aggrecan) proteolysis. Human proADAMTS8 is a secreted, 863 amino acid (aa) glycoprotein. It is highly modular and contains a proregion (aa 27-213), a peptidase M12B domain (aa 219-429), a disintegrin region (aa 438-525), and two TSP type I sequences (aa 526-888) that are separated by an intervening spacer domain (aa 690-831). Cleavage of the proregion generates a mature 80 kDa molecule that may undergo additional processing to create a 65-67 kDa truncated form. There are two potential splice variants. One shows a 31 aa substitution for aa 411-889, while another shows an alternative start site at Met231. Over aa 29-691, human ADAMTS8 shares 79% aa identity with mouse ADAMTS8.

PRODUCT SPECIFIC NOTICES

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