Human ADAMTS13 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 442315

Catalog Number: FAB42451N

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ADAMTS13 in ELISA
Source	Monoclonal Mouse IgG_1 Clone # 442315
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAMTS13 Gln34-Trp688 Accession # Q76LX8
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.*

ELISA	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

ADAMTS13 (a disintegrin and metalloproteinase with thrombospondin motifs 13) is a secreted multi-domain zinc protease primarily produced by the liver. In the circulation, it is responsible for cleaving von Willebrand factor (vWF) between Tyr842 and Met843. Defects in ADAMTS13 activity result in the generation of ultra large vWF, leading to thrombotic thrombocytopenic purpura (TTP). The amino acid sequence of human ADAMTS13 in the region of aa 34 to 688 is 76% identical to that of mouse/rat.

PRODUCT SPECIFIC NOTICES

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