

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ADAMTS13 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) ADAMTS14 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAMTS13 Gln34-Trp688 Accession # Q76LX8
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.
ELISA	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

ADAMTS13 (A disintegrin and metalloprotease with TSP motifs 13) is a 140-230 kDa, secreted glycoprotein member of the ADAMTS family of proteases. ADAMTS13 is produced by the liver and circulates in plasma where it cleaves and reduces the activity of von Willebrand factor. ProADAMTS13 is 1398 amino acids (aa) in length. It contains a 45 aa prodomain (aa 30-74), one peptidase domain (aa 80-286) and one disintegrin (aa 287-383) domain, multiple TSP regions and two CUB domains. The prodomain does not affect activity, while the TSP and CUB domains appear to be necessary for activity. One truncated form exists that shows truncation after Gln448. Over aa 34-688, human ADAMTS13 shares 76% aa identity with mouse ADAMTS13.

PRODUCT SPECIFIC NOTICES

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