

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human ADAMTS13 in Western blots. In Western blots, less than 1% cross-reactivity with recombinant human (rh) ADAMTS1, rhADAMTSL-1.2, rhADAMTS4, and rhADAMTS5 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
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human ADAMTS13 (Catalog # 4245-AD)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.