

DESCRIPTION

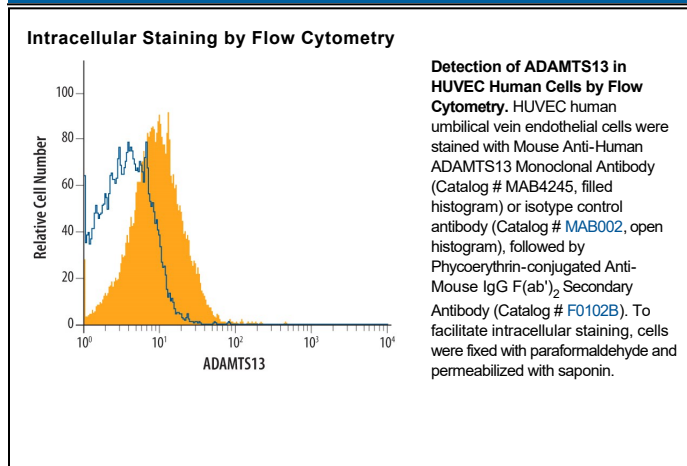
Species Reactivity	Human
Specificity	Detects human ADAMTS13 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) ADAMTS1, rhADAMTS4, rhADAMTS5, or rhADAMTS-L1.2 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 442323
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human ADAMTS13 isoform 1 Gln34-Trp688 (predicted) Accession # Q76LX8
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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	1 µg/mL	Recombinant Human ADAMTS13 (Catalog # 4245-AD) under non-reducing conditions only
Immunoprecipitation	25 µg/mL	Conditioned cell culture medium spiked with Recombinant Human ADAMTS13 Full Length (Catalog # 6156-AD), see our available Western blot detection antibodies
Intracellular Staining by Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <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.