

# Human ADAM metallopeptidase with thrombospondin type 1 motif, 13 (ADAMTS13) ELISA Kit



Catalog No: #EK9542

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Package Size: #EK9542-1 48T #EK9542-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human ADAM metallopeptidase with thrombospondin type 1 motif, 13 (ADAMTS13) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	C9orf8; DKFZp434C2322; FLJ42993; MGC118899; MGC118900; TTP; VWFCP; vWF-CP; a disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif, 13 vWF-cleaving protease von Wil
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:15.5 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate ADAMTS13 in samples. An antibody specific for ADAMTS13 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADAMTS13 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADAMTS13 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADAMTS13 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**ADAMTS13 (a disintegrin and metalloproteinase with a thrombospondin type 1 motif, member 13)also known as von Willebrand factor-cleaving protease (VWFCP)is a zinc-containing metalloprotease enzyme that cleaves von Willebrand factor (vWf), a large protein involved in blood clotting. It is secreted in blood and degrades large vWf multimers, decreasing their activity.Genomically, ADAMTS13 shares many properties with the 19 member ADAMTS family, all of which are characterised by a protease domain (the part that performs the protein hydrolysis), an adjacent disintegrin domain and one or more thrombospondin domains. ADAMTS13 in fact has eight thrombospondin domains. It has no hydrophobic transmembrane domain, and hence it not anchored in the cell membrane.

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Note: This product is for in vitro research use only