

## ARG81483 Human ADAMTS13 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81483-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81483-002	Standard	2 X 50 ng/vial	4°C
ARG81483-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81483-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81483-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81483-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81483-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81483-008	25X Wash buffer	20 ml	4°C
ARG81483-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81483-010	STOP solution	10 ml (Ready to use)	4°C
ARG81483-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81483 Human ADAMTS13 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human ADAMTS13 in serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	ADAMTS13
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate) and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.7% Inter-Assay CV: 6.1%
Alternate Names	von Willebrand factor-cleaving protease; vWF-CP; EC 3.4.24.87; ADAM-TS 13; VWFCP; A disintegrin and metalloproteinase with thrombospondin motifs 13; ADAM-TS13; vWF-cleaving protease; ADAMTS-13; C9orf8

## Application Instructions

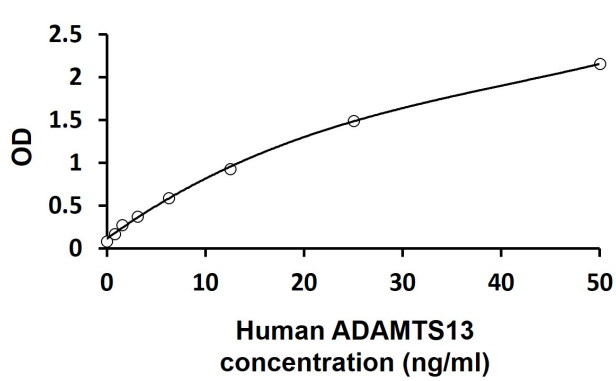
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	ADAMTS13
Gene Full Name	ADAM metalloproteinase with thrombospondin type 1 motif, 13
Background	This gene encodes a member of a family of proteins containing several distinct regions, including a metalloproteinase domain, a disintegrin-like domain, and a thrombospondin type 1 (TS) motif. The enzyme encoded by this gene specifically cleaves von Willebrand Factor (vWF). Defects in this gene are associated with thrombotic thrombocytopenic purpura. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
Function	Cleaves the vWF multimers in plasma into smaller forms thereby controlling vWF-mediated platelet thrombus formation. [UniProt]
Highlight	Related products: <a href="#">ADAMTS antibodies</a> ; <a href="#">ADAMTS ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Glycosylated. O-fucosylated by POFUT2 on a serine or a threonine residue found within the consensus sequence C1-X(2)-(S/T)-C2-G of the TSP type-1 repeat domains where C1 and C2 are the first and second cysteine residue of the repeat, respectively. Fucosylated repeats can then be further glycosylated by the addition of a beta-1,3-glucose residue by the glucosyltransferase, B3GALT1. Fucosylation mediates the efficient secretion of ADAMTS13. May also be C-glycosylated on tryptophan residues within the consensus sequence W-X-X-W of the TPRs, and also N-glycosylated. These other glycosylations can also facilitate secretion.  The precursor is processed by a furin endopeptidase which cleaves off the pro-domain. [UniProt]



ARG81483 Human ADAMTS13 ELISA Kit standard curve image

ARG81483 Human ADAMTS13 ELISA Kit results of a typical standard run with optical density reading at 450 nm.