

Datasheet for KOA0563**Human ADAMTS13 ELISA Kit****Overview**

Description:	Human ADAMTS13 AccuSignal ELISA Kit - KOA0563
Item No.:	KOA0563
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	0.78 ng/ml - 50 ng/ml

Product Details

Background:	ADAMTS13 is a zinc-containing metalloprotease enzyme. The ADAMTS13 gene is mapped to chromosome 9q34 by genomic sequence analysis. It is reported that a metal-containing proteolytic enzyme (metalloprotease) in normal plasma cleaves the peptide bond between tyrosine at position 842 and methionine at position 843 in monomeric subunits of von Willebrand factor, thereby degrading the large multimers. And it is confirmed that the ADAMTS13 gene encodes the von Willebrand factor-cleaving protease (VWFPC). ADAMTS13 is secreted in blood and degrades large vWf multimers, decreasing their activity.
Synonyms:	A disintegrin and metalloproteinase with thrombospondin motifs 13, A disintegrin like and metalloprotease with thrombospondin type 1 motif 13, A disintegrin-like and metalloprotease (Reprolysin type) with thrombospondin type 1 motif 13, ADAM metalloproteinase with thrombospondin type 1 motif 13, ADAM TS, ADAMTS 13, ADAMTS13, ADAMTS13 protein, ATS13_HUMAN, TTP, Von Willebrand factor cleaving protease, vWF cleaving protease, vWFPC
Detection Kit Type:	ELISA Kit
Detection Range:	0.78 ng/ml - 50 ng/ml
Sensitivity:	<20 pg/ml

Target Details

Gene Name:	ADAMTS13
Reactivity:	Human
Immunogen:	Expression system for standard: CHO; Immunogen sequence: Q34-W688

Purity/Specificity:	Natural and recombinant human ADAMTS13. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q76LX8 • NCBI - NP_620594.1 • GeneID - 11093 • KOA0563 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml, 0.78ng/ml human ADAMTS13 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA, citrate) to each empty well. We recommend that each human ADAMTS13 standard solution and each sample is measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	DOE: 2-8°C - 06/27/20 -20°C - 12/27/20

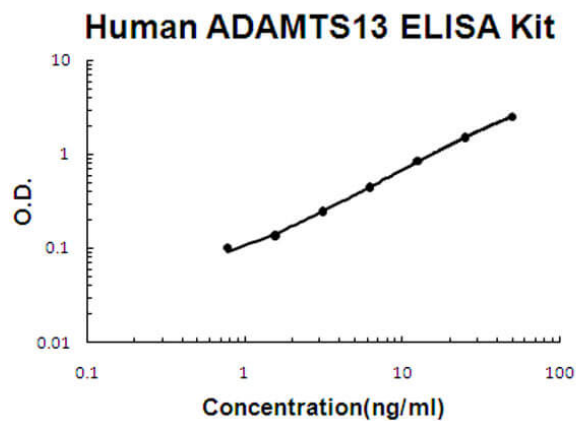
Formulation

Anticoagulant:	Heparin Sodium
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Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images



ELISA

Human ADAMTS13 AccuSignal ELISA Kit standard curve.
Assay Range: 0.78ng/ml-50ng/ml. Sensitivity: <20pg/ml.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.