

## Datasheet for KOA0805

**Human ADAMTS1 ELISA Kit****Overview**

|                      |                                              |
|----------------------|----------------------------------------------|
| <b>Description:</b>  | Human ADAMTS1 AccuSignal ELISA Kit - KOA0805 |
| <b>Item No.:</b>     | KOA0805                                      |
| <b>Size:</b>         | 1 Kit                                        |
| <b>Applications:</b> | ELISA                                        |
| <b>Reactivity:</b>   | Human                                        |
| <b>Range:</b>        | 93.8 pg/ml - 6000 pg/ml                      |

**Product Details**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Background:</b>         | ADAMTS1 (A Disintegrin-Like and Metalloproteinase with Thrombospondin Type 1 Motif, 1), also known as METH1, is an enzyme that in humans is encoded by the ADAMTS1 gene. ADAMTS is a family of proteins believed to be anchored to the extracellular matrix (ECM) through interactions with aggrecan or other matrix components by one or more thrombospondin type 1 motifs. ADAMTS1 gene is mapped to 21q21.2 based on sequence similarity between the ADAMTS1 sequence and a chromosome 21q21.2 clone. It has been found that ADAMTS1 can disrupt angiogenesis in vivo and in vitro more efficiently than ADAMTS8, THBS1, or endostatin. What's more, ADAMTS1 disrupts angiogenesis in vivo and in vitro more efficiently than ADAMTS8, THBS1, or endostatin. |
| <b>Synonyms:</b>           | A disintegrin and metalloproteinase with thrombospondin motifs 1, A disintegrin like and metalloprotease with thrombospondin type 1 motif 1, A disintegrin-like and metalloprotease (reprolysin type) with thrombospondin type 1 motif 1, ADAM metallopeptidase with thrombospondin type 1 motif 1, ADAM TS 1, ADAM TS1, ADAM-TS 1, ADAM-TS1, ADAMTS 1, ADAMTS, ADAMTS-1, Adamts1, ATS1_HUMAN, C3 C5, KIAA1346, METH 1, METH-1, METH1                                                                                                                                                                                                                                                                                                                           |
| <b>Detection Kit Type:</b> | ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Detection Range:</b>    | 93.8 pg/ml - 6000 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sensitivity:</b>        | <10 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**Target Details**

|                    |         |
|--------------------|---------|
| <b>Gene Name:</b>  | ADAMTS1 |
| <b>Reactivity:</b> | Human   |

|                            |                                                                                                                                                                                                                      |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>          | Expression system for standard: NSO; Immunogen sequence: F253-A734                                                                                                                                                   |
| <b>Purity/Specificity:</b> | Natural and recombinant human ADAMTS1. There is no detectable cross-reactivity with other relevant proteins.                                                                                                         |
| <b>Relevant Links:</b>     | <ul style="list-style-type: none"><li>• <a href="#">UniProtKB - Q9UHI8</a></li><li>• <a href="#">NCBI - NP_008919.3</a></li><li>• <a href="#">GeneID - 9510</a></li><li>• <a href="#">KOA0805 Protocol</a></li></ul> |

## Application Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Tested Applications:</b> | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Application Note:</b>    | Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 6000pg/ml, 3000pg/ml, 1500pg/ml, 750pg/ml, 419pg/ml, 187.5pg/ml, 93.7pg/ml human ADAMTS1 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) to each empty well. It is recommended that each human ADAMTS1 standard solution and each sample be measured in duplicate. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Formulation

|                       |                |
|-----------------------|----------------|
| <b>Anticoagulant:</b> | Heparin Sodium |
|-----------------------|----------------|

## Shipping & Handling

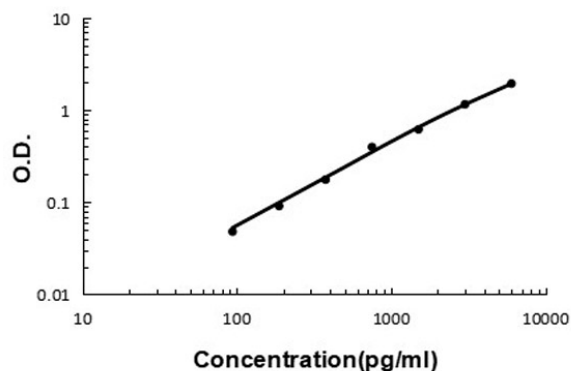
|                            |                                                                                                                                                                                                                                                                                                                               |
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| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Condition:</b>  | 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. |
| <b>Expiration:</b>         | See kit insert for complete instructions.                                                                                                                                                                                                                                                                                     |

## Images

### Human ADAMTS1 ELISA Kit

#### ELISA

Human ADAMTS1 ELISA Kit standard curve.



### 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.