

Datasheet for ABIN6719945 **ADAMTS1 ELISA Kit**



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Overview

Quantity:	1 kit
Target:	ADAMTS1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	93.8 pg/mL - 6000 pg/mL
Minimum Detection Limit:	93.8 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 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</p> <p>Background: 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)</p>

Product Details

through interactions with aggregan 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.

Gene Name: ADAMTS1

Production: Natural and recombinant human ADAMTS1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: F253-A734

Target Details

Target:	ADAMTS1
Alternative Name:	ADAMTS1 (ADAMTS1 Products)
Gene ID:	9510
NCBI Accession:	NP_008919
UniProt:	Q9UHI8
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 6000pg/mL, 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 187.5pg/mL, 93.7pg/m human ADAMTS1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL 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.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 93.8pg/mL-6000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: 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.