antibodies -online.com





Datasheet for ABIN6720258

ADAMTS4 ELISA Kit



Overview

Quantity:	1 kit
Target:	ADAMTS4
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	625 pg/mL - 40000 pg/mL
Minimum Detection Limit:	625 pg/mL
Application:	ELISA

Product Details

Characteristics:	Synonyms: A disintegrin and metalloproteinase with thrombospondin motifs 4, A disintegrin like	
Detection Method:	Colorimetric	
Analytical Method:	Quantitative	
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum	
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen	

and metalloprotease (reprolysin type) with thrombospondin type 1 motif 4, A disintegrin like and

metalloprotease with thrombospondin type 1 motif 4, ADAM metallopeptidase with

thrombospondin type 1 motif 4, ADAM TS 4, ADAM TS4, ADAM-TS 4, ADAM-TS4, ADAMTS2,

ADAMTS4, ADAMTS4 protein, ADMP 1, ADMP-1, ADMP1, Aggrecanase1, ATS4_HUMAN,

KIAA0688

Background: ADAMTS4, A disintegrin and metalloproteinase with thrombospondin motifs 4 is an enzyme that in humans is encoded by the ADAMTS4 gene. ADAMTS4 is a member of the

large ADAMTS family of zinc-dependent proteases. The human ADAMTS4 gene is mapped to chromosome 1 by somatic cell hybrid analysis. The enzyme encoded by this gene lacks a C-terminal TS motif. It is responsible for the degradation of aggrecan, a major proteoglycan of cartilage, and brevican, a brain-specific extracellular matrix protein. The cleavage of aggrecan and brevican suggests key roles of this enzyme in arthritic disease and in the central nervous system, potentially, in the progression of glioma.

Gene Name: ADAMTS4

Production: Natural and recombinant human ADAMTS4. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: CHO, Immunogen sequence: F213-C685

Target Details

Target:	ADAMTS4
Alternative Name:	ADAMTS4 (ADAMTS4 Products)
Gene ID:	9507
NCBI Accession:	NP_001307265
UniProt:	075173

Application Details

Αı	pp	lication	Notes:
----	----	----------	--------

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 40,000pg/mL, 20,000pg/mL, 10,000pg/mL, 5,000pg/mL, 2,500pg/mL, 1,250pg/mL, 625pg/mL human ADAMTS4 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, EDTA) to each empty well. It is recommended that each human ADAMTS4 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 625pg/mL-40,000pg/mL

Other Performance Data: DOE: 2-8° C - 09/16/18 -20° C - 03/19/19

Sample Volume:

 $100 \, \mu L$

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.	