

Human ADAMTS4 AccuSignal ELISA Kit - KOA0831

Code: KOA0831

Size: 1 Kit

Product Description: Human ADAMTS4 AccuSignal ELISA Kit - KOA0831

Concentration: 1 Kit

PhysicalState:

Label	Unconjugated
Gene Name	ADAMTS4
Species Reactivity	Human
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.
Synonyms	A disintegrin and metalloproteinase with thrombospondin motifs 4, A disintegrin like and metalloprotease (reprolysin type) with thrombospondin type 1 motif 4, A disintegrin like and metalloprotease with thrombospondin type 1 motif 4, ADAM metalloproteinase 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
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml 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) to each empty well. It is recommended that each human ADAMTS4 standard solution and each sample be measured in duplicate.
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.
Purity And Specificity	Natural and recombinant human ADAMTS4. There is no detectable cross-reactivity with other relevant proteins.
ELISA	625pg/ml-40,000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: CHO; Immunogen sequence: F213-C685
Anti-Coagulant	Heparin Sodium

Related Products

MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

Related Links

UniProtKB - O75173

<http://www.uniprot.org/uniprot/O75173>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_001307265.1

GeneID - 9507

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=9507>

KOA0831 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0831%20SES.pdf>

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