

## Human Serpin C1/Antithrombin-III AccuSignal ELISA Kit - KOA0839

**Code:** KOA0839

**Size:** 1 Kit

**Product Description:** Human Serpin C1/Antithrombin-III AccuSignal ELISA Kit - KOA0839

**PhysicalState:**

<b>Label</b>	Unconjugated
<b>Gene Name</b>	SERPINC1
<b>Species Reactivity</b>	Human
<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>Synonyms</b>	ANT3_HUMAN, Antithrombin, Antithrombin III, Antithrombin-III, AntithrombinIII, AT 3, AT III, AT3, AT3D, ATIII, Heparin cofactor I, MGC22579, Serine (or cysteine) proteinase inhibitor clade C (antithrombin) member 1, Serine cysteine proteinase inhibitor clade C member 1, Serine proteinase inhibitor clade C member 1, Serpin C1, Serpin peptidase inhibitor clade C (antithrombin) member 1, SERPINC1, THPH7
<b>Application Note</b>	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 20,000pg/ml, 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml human Serpin C1 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, plasma (heparin, EDTA, citrate) or urine to each empty well. We recommend that each human Serpin C1 standard solution and each sample is measured in duplicate.
<b>Background</b>	Antithrombin III is the most important inhibitor of thrombin and other coagulation proteinases. It belongs to the serine proteinase inhibitor (serpin) superfamily of inhibitors and structurally related proteins, which contain reactive centers that have evolved to attract and entrap certain proteinases. Inherited antithrombin III deficiency (AT3D) is a risk factor for the early development of venous thromboembolism (THPH7). Antithrombin III regulates clot formation both by inhibiting thrombin activity directly and by interfering with earlier stages of the clotting cascade. By in situ hybridization and quantitative analysis of DNA dosage in carriers of chromosome 1 deletions, AT3 is mapped to 1q23-q25. The AT3 gene has 7 exons. It contains 9 complete and 1 partial repetitive ALU sequence elements, which occur in the introns of the gene at a higher frequency (about 22% of the intron sequence) than in the genome as a whole (about 5%).
<b>Purity And Specificity</b>	Natural and recombinant human Serpin C1. There is no detectable cross-reactivity with other relevant proteins.
<b>ELISA</b>	312pg/ml-20,000pg/ml
<b>Expiration</b>	See kit insert for complete instructions.
<b>Immunogen</b>	Expression system for standard: NSO; Immunogen sequence: H33-K464
<b>Anti-Coagulant</b>	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 - P01008

<http://www.uniprot.org/uniprot/P01008>

 NCBI - [http://www.ncbi.nlm.nih.gov/protein/NP\\_000479.1](http://www.ncbi.nlm.nih.gov/protein/NP_000479.1)

GeneID - 462

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=462>

KOA0839 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0839.pdf>

## **Disclaimer**

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