

Human Serpin C1/Antithrombin-III ELISA Kit | SERPINC1 elisa kit

Human Serpin C1/Antithrombin-III PicoKine Fast ELISA Kit

CATALOG #
AAA125372

REACTIVITY
Human

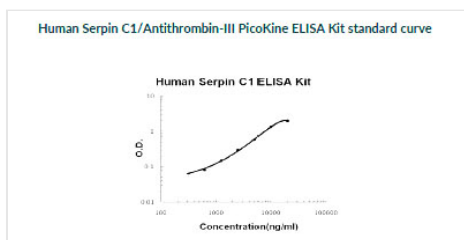
PRODUCT SYNONYMS

Serpin C1/Antithrombin-III; Human Serpin C1/Antithrombin-III PicoKine Fast ELISA Kit; human Serpin C1; Antithrombin-III; ATIII; Serpin C1; SERPINC1; AT3; PRO0309; SERPINC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human SERPINC1
Sequence Length	464
Samples	Cell culture supernates, serum, plasma (heparin, EDTA, citrate) and urine
Detection Range	312pg/ml-20,000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINC1 elisa kit	Principle of the Assay: The Picokine™ Human SERPINC1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human SERPINC1 with a 96-well strip plate that is pre-coated with antibody specific for SERPINC1. The detection antibody is a biotinylated antibody specific for SERPINC1. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human SERPINC1 with immunogen: NSO, H33-K464. The kit is analytically validated with ready to use reagents. To measure Human SERPINC1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human SERPINC1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human SERPINC1 in the sample.!!Background/Introduction: 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%).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	113936
NCBI GeneID	462
UniProt Accession #	P01008
NCBI Official Full Name	Antithrombin-III
NCBI Official Synonym Full Names	serpin family C member 1
NCBI Official Symbol	SERPINC1
NCBI Official Synonym Symbols	AT3; AT3D; ATIII; THPH7; ATIII-R2; ATIII-T1; ATIII-T2
NCBI Protein Information	antithrombin-III
UniProt Protein Name	Antithrombin-III
UniProt Gene Name	SERPINC1
UniProt Synonym Gene Names	AT3; ATIII
UniProt Entry Name	ANT3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/serpinc1-human-elisa-kits/serpin-c1-antithrombin-iii/125372>