

General Antithrombin III total antigen assay ELISA Kit | SERPINC1 elisa kit

Human Antithrombin III total antigen assay ELISA Kit

CATALOG #
AAA37772

REACTIVITY
General

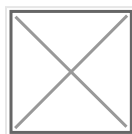
PRODUCT SYNONYMS

Antithrombin III total antigen assay; Human Antithrombin III total antigen assay ELISA Kit; SERPINC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Form/Format	Complete Kit
Sequence Length	464
Samples	Human plasma
Preparation and Storage	Store at 4 degree C. Shelf Life: 6 months from manufacture, see label for expiration date

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for
SERPINC1 elisa kit

Intended Uses: This human Antithrombin III antigen assay is intended for the quantitative determination of total Antithrombin III antigen in human plasma.

Principle of the Assay: Human Antithrombin III will bind to the capture antibody coated on the microtiter plate. Free and complexed Antithrombin III will react with the antibody on the plate. After appropriate washing steps, polyclonal anti-human Antithrombin III primary antibody binds to the captured protein. Excess primary antibody is washed away and bound antibody, which is proportional to the total Antithrombin III present in the samples, is reacted with the secondary antibody. Following an additional washing step, TMB substrate is used for color development at 450nm. A standard calibration curve is prepared using dilutions of purified Antithrombin III and is measured along with the test samples. Color development is proportional to the concentration of Antithrombin III in the samples.

Background: Antithrombin III is a glycosylated plasma serine protease inhibitor that forms a stoichiometric complex with coagulation cascade enzymes [1]. Antithrombin III inhibits alpha-Thrombin as well as Factor Xa, IXa, XIa and XIIa with heparin enhanced kinetics [2]. Type 1 Antithrombin deficiency is characterized by decreased plasma antigen levels of Antithrombin III [3].

Product Categories/Family for
SERPINC1 elisa kit

[Antithrombin III](#); [Human Antithrombin III ELISA Kits](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502261
NCBI GeneID	462

NCBI Accession #	NP_000479.1
NCBI GenBank Nucleotide #	NM_000488.3
UniProt Accession #	P01008; P78439; P78447; Q13815; Q5TC78; Q7KZ43; Q7KZ97; Q9UC78; B2R6P0
Molecular Weight	52,602 Da
NCBI Official Full Name	antithrombin-III
NCBI Official Synonym Full Names	serpin peptidase inhibitor, clade C (antithrombin), member 1
NCBI Official Symbol	SERPINC1
NCBI Official Synonym Symbols	AT3; AT3D; ATIII; THPH7
NCBI Protein Information	antithrombin-III; serpin C1; antithrombin III; serine-cysteine proteinase inhibitor clade C member 1; serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/serpinc1-general-elisa-kits/antithrombin-iii-total-antigen-assay/37772>