

Human serpin peptidase inhibitor, clade C (antithrombin) , member 1 ELISA Kit | SERPINC1 elisa kit

Human Antithrombin III, AT III ELISA Kit

CATALOG #
AAA113045

REACTIVITY
Human

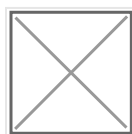
PRODUCT SYNONYMS

serpin peptidase inhibitor; clade C (antithrombin); member 1; Human Antithrombin III; AT III ELISA Kit; Human Antithrombin III (AT III) ELISA Kit; AT3; ATIII; MGC22579; antithrombin III; serine (or cysteine) proteinase inhibitor; serine-cysteine proteinase inhibitor clade C member 1; c; SERPINC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human AT III. No significant cross-reactivity or interference between human AT III and analogues was observed.
Sequence Length	464
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	9.38 ng/ml -600 ng/ml.
Sensitivity	The minimum detectable dose of human AT III is typically less than 2.34 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINC1 elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for AT III has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any AT III present is bound by the immobilized antibody. After removing any unbound substances, a Horseradish Peroxidase (HRP)-conjugated antibody specific for AT III is added to the wells. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in proportion to the amount of AT III bound in the initial step. The color development is stopped and the intensity of the color is measured.

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; serine (or cysteine) proteinase inhibitor, clade C (antithrombin), member 1
UniProt Protein Name	Antithrombin-III
UniProt Gene Name	SERPINC1
UniProt Synonym Gene Names	AT3; PRO0309; 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-peptidase-inhibitor-clade-c-antithrombin-member-1/113045>