

Chicken Anti-Thrombin III ELISA Kit | AT-III elisa kit

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CATALOG #
AAA90335

REACTIVITY
Chicken

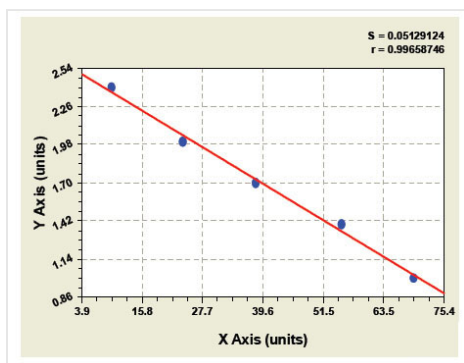
PRODUCT SYNONYMS

Anti-Thrombin III; Chicken Anti-Thrombin III ELISA Kit; AT-III elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AT-III elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This AT-III ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken AT-III. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY AT-III ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AT-III antibody and an AT-III-HRP conjugate. The assay sample and buffer are incubated together with AT-III-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the AT-III concentration since AT-III from samples and AT-III-HRP conjugate compete for the anti-AT-III antibody binding site. Since the number of sites is limited, as more sites are occupied by AT-III from the sample, fewer sites are left to bind AT-III-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AT-III concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	258959
NCBI GeneID	11905
Molecular Weight	52,004 Da
NCBI Official Full Name	antithrombin III
NCBI Official Synonym Full Names	serine (or cysteine) peptidase inhibitor, clade C (antithrombin), member 1
NCBI Official Symbol	Serpinc1
NCBI Official Synonym Symbols	At3; At-3; ATIII; AI114908
NCBI Protein Information	antithrombin-III; serpin C1; anti-thrombin 3; serpin peptidase 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_MOUSE

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.