

Monkey Antithrombin III (AT III) ELISA Kit | SERPINC1 elisa kit

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CATALOG #
AAA244480

REACTIVITY
Monkey

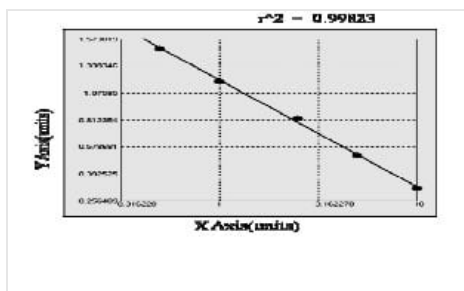
PRODUCT SYNONYMS

Antithrombin III (AT III); Monkey Antithrombin III (AT III) ELISA Kit; SERPINC1 elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SERPINC1 elisa kit

Intended Uses: This AT3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey AT3. This ELISA kit for research use only!

Principle of the Assay: AT3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AT3 antibody and an AT3-HRP conjugate. The assay sample and buffer are incubated together with AT3-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 AT3 concentration since AT3 from samples and AT3-HRP conjugate compete for the anti-AT3 antibody binding site. Since the number of sites is limited, as more sites are occupied by AT3 from the sample, fewer sites are left to bind AT3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AT3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for SERPINC1 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502261
NCBI GeneID	462
NCBI Accession #	NP_000479.1
NCBI GenBank Nucleotide #	NM_000488.3
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-monkey-elisa-kits/antithrombin-iii-at-iii/244480>