

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

Canine Anti-Thrombin III ELISA Kit

CATALOG #
AAA93370

REACTIVITY
Canine

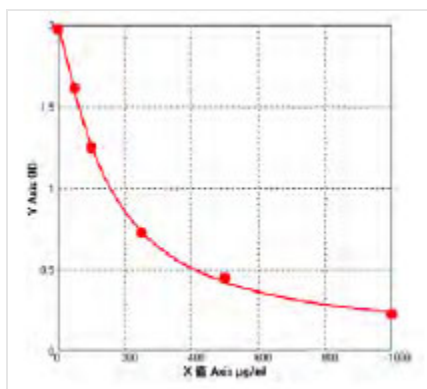
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of AT3Ab. No significant cross-reactivity or interference between AT3Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AT3Ab and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ?g/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	Intended Uses: This AT3Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine AT3Ab. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: AT3Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AT3Ab antibody and an AT3Ab-HRP conjugate. The assay sample and buffer are incubated together with AT3Ab-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 AT3Ab concentration since AT3Ab from samples and AT3Ab-HRP conjugate compete for the anti-AT3Ab antibody binding site. Since the number of sites is limited, as more sites are occupied by AT3Ab from the sample, fewer sites are left to bind AT3Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AT3Ab concentration in each sample is interpolated from this standard curve.
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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.