

Goat Anti-Prothrombin ELISA Kit | APT elisa kit

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CATALOG #
AAA95092

REACTIVITY
Goat

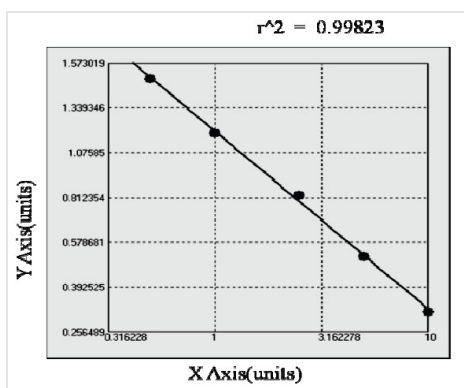
PRODUCT SYNONYMS

Anti-Prothrombin; Goat Anti-Prothrombin ELISA Kit; APT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APT elisa kit

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

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	261695
NCBI GeneID	2147
Molecular Weight	70,037 Da
NCBI Official Full Name	prothrombin, partial
NCBI Official Synonym Full Names	coagulation factor II (thrombin)
NCBI Official Symbol	F2
NCBI Official Synonym Symbols	PT; THPH1; RPRGL2
NCBI Protein Information	prothrombin; serine protease; prothrombin B-chain; prepro-coagulation factor II
UniProt Protein Name	Prothrombin
UniProt Gene Name	F2
UniProt Entry Name	THRB_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/apt-goat-elisa-kits/anti-prothrombin/95092>