

Canine Prothrombin ELISA Kit | PT elisa kit

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CATALOG #
AAA93167

REACTIVITY
Canine

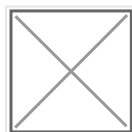
PRODUCT SYNONYMS

Prothrombin; Canine Prothrombin ELISA Kit; PT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50mg/dL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PT elisa kit

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

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

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

Product Categories/Family for PT elisa kit

Cardiovascular

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/pt-canine-elisa-kits/prothrombin/93167>