

Human Prothrombin ELISA Kit | PT elisa kit

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CATALOG #
AAA83546

REACTIVITY
Human

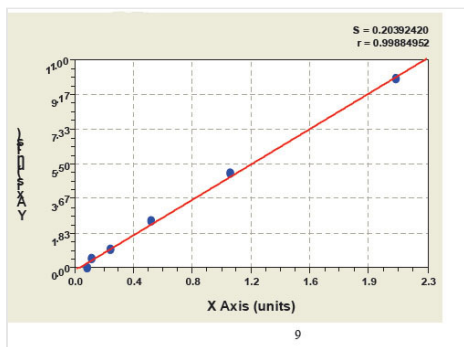
PRODUCT SYNONYMS

Prothrombin; Human Prothrombin ELISA Kit; PT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This PT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PT. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PT elisa kit

Principle of the Assay: PT ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for PT. Standards or samples are then added to the microtiter plate wells and PT if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of PT present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for PT are added to each well to "sandwich" the PT immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain PT and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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.