

Human Anti Prothrombin ELISA Kit | APT elisa kit

Human Anti Prothrombin ELISA Kit

CATALOG #
AAA84012

REACTIVITY
Human

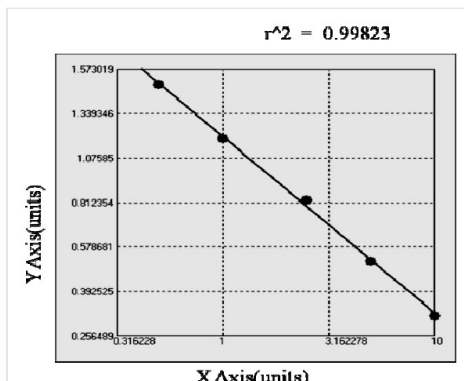
PRODUCT SYNONYMS

Anti Prothrombin; Human Anti Prothrombin ELISA Kit; APT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This APT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human APT. 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 APT elisa kit

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 #	159026652
UniProt Accession #	A8YBM1
Molecular Weight	18,922 Da
NCBI Official Full Name	apt
UniProt Protein Name	Adenine phosphoribosyltransferase
UniProt Gene Name	apt
UniProt Synonym Gene Names	IPF_3953; APRT
UniProt Entry Name	A8YBM1_MICAE

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-human-elisa-kits/anti-prothrombin/84012>