

Mouse Anti-Prothrombin ELISA Kit | APT elisa kit

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CATALOG #
AAA85715

REACTIVITY
Mouse

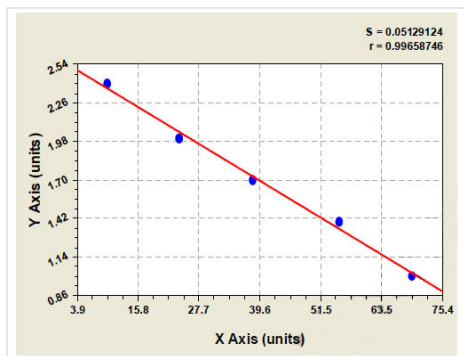
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-Prothrombin. No significant cross-reactivity or interference between Anti-Prothrombin and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Anti-Prothrombin and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 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	Principle of the Assay: Anti-Prothrombin ELISA kit applies the competitive enzyme immunoassay technique utilizing a Prothrombin antigen and an Anti-Prothrombin-HRP conjugate. The assay sample and buffer are incubated together with Anti-Prothrombin-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 Anti-Prothrombin concentration since Anti-Prothrombin from samples and Anti-Prothrombin-HRP conjugate compete for the Prothrombin antigen binding site. Since the number of sites is limited, as more sites are occupied by Anti-Prothrombin from the sample, fewer sites are left to bind Anti-Prothrombin-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Anti-Prothrombin concentration in each sample is interpolated from this standard curve. Intended Uses: This Anti-Prothrombin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse Anti-Prothrombin. This ELISA kit for research use only, not for therapeutic or test applications!
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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-mouse-elisa-kits/anti-prothrombin/85715>