

Mouse Coagulation factor Xa ELISA Kit | FXa elisa kit

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CATALOG #
AAA16341

REACTIVITY
Mouse

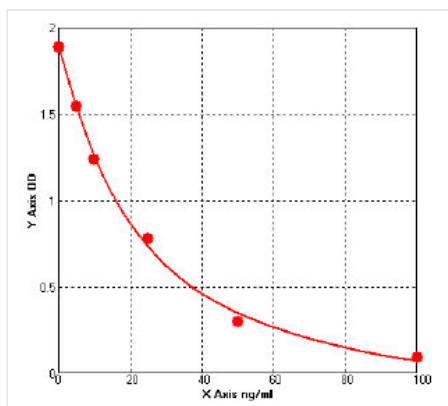
PRODUCT SYNONYMS

Coagulation factor Xa; Mouse Coagulation factor Xa ELISA Kit; FXa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of FXalpha. No significant cross-reactivity or interference between FXalpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FXalpha 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 FXa elisa kit	Principle of the Assay: FXalpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FXalpha antibody and an FXalpha-HRP conjugate. The assay sample and buffer are incubated together with FXalpha-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 FXalpha concentration since FXalpha from samples and FXalpha-HRP conjugate compete for the anti-FXalpha antibody binding site. Since the number of sites is limited, as more sites are occupied by FXalpha from the sample, fewer sites are left to bind FXalpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FXalpha concentration in each sample is interpolated from this standard curve. Intended Uses: This FXalpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse FXalpha. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
References	Rivaroxaban, a novel oral anticoagulant, attenuates atherosclerotic plaque progression and destabilization in ApoE-deficient mice. Tomoya Hara, Daiju Fukuda, Kimie Tanaka, Yasutomi Higashikuni, Yoichiro Hirata, Sachiko Nishimoto, Shusuke Yagi, Hirotsugu Yamada, Takeshi Soeki, Tetsuzo Wakatsuki, Michio Shimabukuro, Masataka Sata (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	37926478
NCBI Official Full Name	Chain L, Human Coagulation Factor Xa In Complex With M55192

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/fxa-mouse-elisa-kits/coagulation-factor-xa/16341>