

Canine Coagulation Factor X ELISA Kit | F10 elisa kit

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CATALOG #
AAA90599

REACTIVITY
Canine

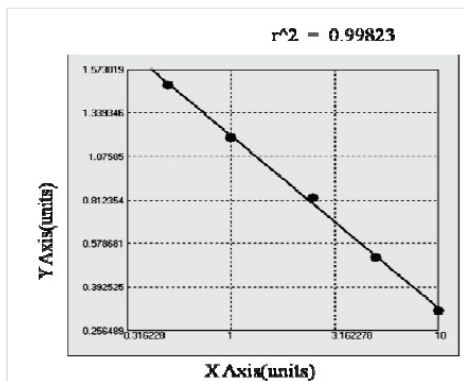
PRODUCT SYNONYMS

Coagulation Factor X; Canine Coagulation Factor X ELISA Kit; F10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for F10 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This F10 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine F10. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY F10 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-F10 antibody and an F10-HRP conjugate. The assay sample and buffer are incubated together with F10-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 F10 concentration since F10 from samples and F10-HRP conjugate compete for the anti-F10 antibody binding site. Since the number of sites is limited, as more sites are occupied by F10 from the sample, fewer sites are left to bind F10-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The F10 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	182390
NCBI GeneID	2159
Molecular Weight	54,732 Da
NCBI Official Full Name	coagulation factor X
NCBI Official Synonym Full Names	coagulation factor X
NCBI Official Symbol	F10
NCBI Official Synonym Symbols	FX; FXA
NCBI Protein Information	coagulation factor X; factor Xa; prothrombinase; Stuart-Prower factor
UniProt Protein Name	Coagulation factor X
UniProt Gene Name	F10
UniProt Entry Name	FA10_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.