

Canine Coagulation Factor XII ELISA Kit | F12 elisa kit

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CATALOG #
AAA90845

REACTIVITY
Canine

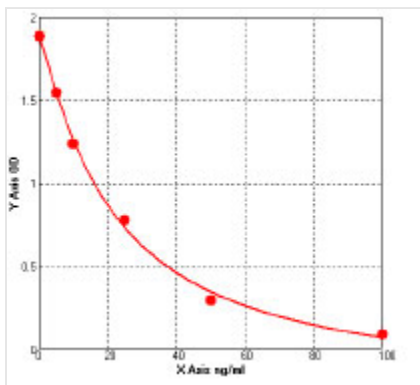
PRODUCT SYNONYMS

Coagulation Factor XII; Canine Coagulation Factor XII ELISA Kit; F12 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of FXII. No significant cross-reactivity or interference between FXII and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FXII and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 F12 elisa kit	Intended Uses: This FXII ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FXII. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FXII ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FXII antibody and an FXII-HRP conjugate. The assay sample and buffer are incubated together with FXII-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 FXII concentration since FXII from samples and FXII-HRP conjugate compete for the anti-FXII antibody binding site. Since the number of sites is limited, as more sites are occupied by FXII from the sample, fewer sites are left to bind FXII-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FXII concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4165317
NCBI GeneID	397474
Molecular Weight	68,012 Da
NCBI Official Full Name	FXII
NCBI Official Symbol	F12
NCBI Official Synonym Symbols	FXII
NCBI Protein Information	coagulation factor XII; HAF; hageman factor
UniProt Protein Name	Coagulation factor XII
UniProt Gene Name	F12
UniProt Synonym Gene Names	HAF
UniProt Entry Name	FA12_PIG

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.