

Canine Factor B ELISA Kit | Factor B elisa kit

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CATALOG #
AAA244943

REACTIVITY
Canine

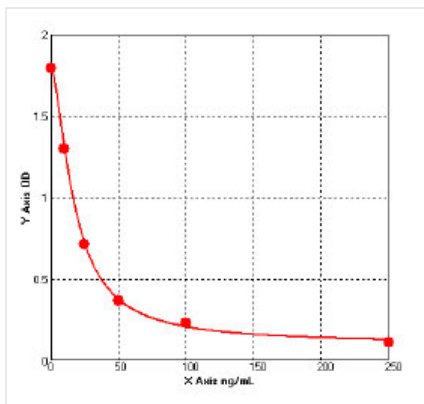
PRODUCT SYNONYMS

Factor B; Canine Factor B ELISA Kit; Factor B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CFB. No significant cross-reactivity or interference between CFB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CFB 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 Factor B elisa kit	Principle of the Assay: CFB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CFB antibody and an CFB-HRP conjugate. The assay sample and buffer are incubated together with CFB-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 CFB concentration since CFB from samples and CFB-HRP conjugate compete for the anti-CFB antibody binding site. Since the number of sites is limited, as more sites are occupied by CFB from the sample, fewer sites are left to bind CFB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CFB concentration in each sample is interpolated from this standard curve. Intended Uses: This CFB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CFB. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for Factor B elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	13560705
NCBI GeneID	629
Molecular Weight	68,872 Da
NCBI Official Full Name	factor B
NCBI Official Synonym Full Names	complement factor B
NCBI Official Symbol	CFB
NCBI Official Synonym Symbols	BF; FB; BFD; GBG; CFAB; CFBD; PBF2; AHUS4; FBI12; H2-Bf; ARMD14
NCBI Protein Information	complement factor B; C3 proactivator; C3/C5 convertase; C3 proaccelerator; properdin factor B; B-factor, properdin; glycine-rich beta glycoprotein; glycine-rich beta-glycoprotein
UniProt Protein Name	Complement factor B
UniProt Gene Name	CFB
UniProt Synonym Gene Names	BF; BFD; GBG
UniProt Entry Name	CFAB_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.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/factor-b/244943>