

Canine Complement Factor H ELISA Kit | CFH elisa kit

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CATALOG #
AAA93725

REACTIVITY
Canine

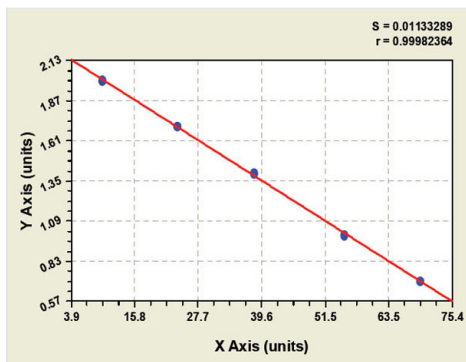
PRODUCT SYNONYMS

Complement Factor H; Canine Complement Factor H ELISA Kit; CFH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This CFH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CFH. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CFH elisa kit

Principle of the Assay: CFH ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CFH antibody and an CFH-HRP conjugate. The assay sample and buffer are incubated together with CFH-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 CFH concentration since CFH from samples and CFH-HRP conjugate compete for the anti-CFH antibody binding site. Since the number of sites is limited, as more sites are occupied by CFH from the sample, fewer sites are left to bind CFH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CFH concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62739188
NCBI GeneID	3075
NCBI Accession #	NP_001014975.1
NCBI GenBank Nucleotide #	NM_001014975.2
Molecular Weight	51,034 Da
NCBI Official Full Name	complement factor H isoform b
NCBI Official Synonym Full Names	complement factor H
NCBI Official Symbol	CFH
NCBI Official Synonym Symbols	FH; HF; HF1; HF2; HUS; FHL1; AHUS1; AMBP1; ARMD4; ARMS1; CFHL3
NCBI Protein Information	complement factor H; beta-1H; factor H-like 1; beta-1-H-globulin; H factor 1 (complement); H factor 2 (complement); adrenomedullin binding protein; complement factor H, isoform b; age-related maculopathy susceptibility 1
UniProt Protein Name	Complement factor H
UniProt Gene Name	CFH
UniProt Synonym Gene Names	HF; HF1; HF2
UniProt Entry Name	CFAH_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.