

Human CFH Antibody Pair Set

Catalog No.	E-KAB-0181	Applications	ELISA
Synonyms	CF-H, AHUS1, AMBP1, FH, FHL1, ARMD4, ARMS1, CFHL3, HF, HF1, HF2, HUS		

Kit components & Storage

Title	Specifications	Storage
Human CFH Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human CFH Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

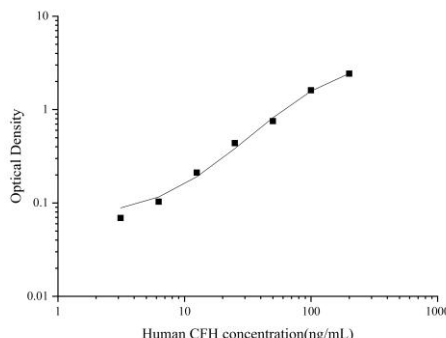
Product Information

Items		Characteristic (E-KAB-0181)	
		Human CFH Capture Antibody	Human CFH Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human CFH protein	Recombinant Human CFH protein
	Swissprot	P08603	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human CFH in ELISAs.	

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Applications

Human CFH Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Human CFH Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human CFH concentration (ng/mL). The x-axis ranges from 1 to 1000 ng/mL, and the y-axis ranges from 0.01 to 10. The data points show a clear upward trend, indicating that as the concentration of Human CFH increases, the optical density also increases. The curve is smooth and passes through several data points.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human CFH concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.01</td> </tr> <tr> <td>10</td> <td>0.1</td> </tr> <tr> <td>100</td> <td>1.0</td> </tr> <tr> <td>1000</td> <td>10.0</td> </tr> </tbody> </table>	Human CFH concentration (ng/mL)	Optical Density	1	0.01	10	0.1	100	1.0	1000	10.0
Human CFH concentration (ng/mL)	Optical Density												
1	0.01												
10	0.1												
100	1.0												
1000	10.0												
ELISA Detection	1:1000-1:10000	Human CFH Detection Antibody (Biotin)											

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

This gene is a member of the Regulator of Complement Activation (RCA) gene cluster and encodes a protein with twenty short consensus repeat (SCR) domains. This protein is secreted into the bloodstream and has an essential role in the regulation of complement activation, restricting this innate defense mechanism to microbial infections. Mutations in this gene have been associated with hemolytic-uremic syndrome (HUS) and chronic hypocomplementemic nephropathy. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

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