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Datasheet for ABIN6720016

**Complement Factor H ELISA Kit**

## Overview

Quantity:	1 kit
Target:	Complement Factor H (CFH)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	0.78 ng/mL - 50 ng/mL
Minimum Detection Limit:	0.78 ng/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

**Characteristics:** Synonyms: adrenomedullin binding protein, age related maculopathy susceptibility 1, AHUS 1, AHUS1, AMBP 1, AMBP1, ARMD 4, ARMD4, ARMS 1, ARMS1, beta 1 H globulin, beta 1H, beta1H, CFAH\_HUMAN, CFH, CFHL 3, CFHL3, Complement factor H, complement factor H isoform b, Factor H, factor H like 1, FH, FHL 1, FHL1, H factor 1 (complement)IH factor 1, H factor 2 (complement), HF 1, HF 2, HF, HF1, HF2, HUS, MGC88246

Background: Complement factor H (CFH), originally known as beta-1H globulin, is a serum glycoprotein that regulates the function of the alternative complement pathway in fluid phase and on cellular surfaces. It binds to C3b, accelerates the decay of the alternative pathway

## Product Details

convertase C3bBb, and also acts as a cofactor for complement factor I, another C3b inhibitor. The CFH gene is located on chromosome 1q32-q32.1 within a cluster of genes encoding the regulatory complement components of the activation of C3 (RCA for 'regulators of complement activation'). This gene cluster includes decay-accelerating factor (DAF), C4-binding protein (C4BPA and C4BPB), and the factor H-related genes CFHR1, CFHR2, CFHR3, CFHR4, and CFHR5, among others. The gene family has arisen by multiple duplication events.

Gene Name: CFH

Production: Natural and recombinant mouse CFH. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S875-V1252

## Target Details

Target:	Complement Factor H (CFH)
Alternative Name:	Complement H - CFH ( <a href="#">CFH Products</a> )
Gene ID:	12628
NCBI Accession:	<a href="#">NP_034018</a>
UniProt:	<a href="#">P06909</a>
Pathways:	<a href="#">Complement System</a> , <a href="#">Cellular Response to Molecule of Bacterial Origin</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 50 ng/mL, 25 ng/mL, 12.5 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL, 0.78 ng/mL mouse CFH standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse CFH standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 0.78 ng/mL-50 ng/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

## Handling

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Storage:	RT, 4 °C, -20 °C
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Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
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