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Datasheet for ABIN6720349

Complement Factor H ELISA Kit

Overview

Quantity:	1 kit
Target:	Complement Factor H (CFH)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	1.56 ng/mL - 100 ng/mL
Minimum Detection Limit:	1.56 ng/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Urine
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 human CFH. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S860-R1231

Target Details

Target:	Complement Factor H (CFH)
Alternative Name:	Complement H - CFH (CFH Products)
Gene ID:	3075
NCBI Accession:	NP_000177
UniProt:	P08603
Pathways:	Complement System , Cellular Response to Molecule of Bacterial Origin

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 100 ng/mL, 50 ng/mL, 25 ng/mL, 12.5 ng/mL, 6.25 ng/mL, 3.12 ng/mL, 1.56 ng/mL human 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 human cell culture supernates, serum, plasma(heparin, EDTA) or urine to each empty well. It is recommended that each human CFH standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 1.56 ng/mL-100 ng/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

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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