

Datasheet for KOA0844**Mouse Complement H - CFH ELISA Kit****Overview**

Description:	Mouse Complement H/CFH AccuSignal ELISA Kit - KOA0844
Item No.:	KOA0844
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	0.78 ng/ml - 50 ng/ml

Product Details

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 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.
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) H factor 1, H factor 2 (complement), HF 1, HF 2, HF, HF1, HF2, HUS, MGC88246
Detection Kit Type:	ELISA Kit
Detection Range:	0.78 ng/ml - 50 ng/ml
Sensitivity:	<20 pg/ml

Target Details

Gene Name:	CFH
Reactivity:	Mouse

Immunogen:	Expression system for standard: NSO; Immunogen sequence: S875-V1252
Purity/Specificity:	Natural and recombinant mouse CFH. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P06909 • NCBI - NP_034018.2 • GeneID - 12628 • KOA0844 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 50ng/ml, 25ng/ml, 12.5ng/ml, 6.25ng/ml, 3.12ng/ml, 1.56ng/ml, 0.78ng/ml mouse CFH standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	0.78ng/ml-50ng/ml
Other:	DOE: 2-8° C - 03/06/2023 -20° C - 09/06/2023

Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.

Expiration: See kit insert for complete instructions.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.