

Datasheet for KOA0696**Human CFD ELISA Kit****Overview**

Description:	Human CFD AccuSignal ELISA Kit - KOA0696
Item No.:	KOA0696
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	312 pg/ml - 20,000 pg/ml

Product Details

Background:	Complement factor D(CFD), also called ADIPSIN or FACTOR D, is a protein which in humans is encoded by the CFD gene. The protein encoded by this gene belongs to the trypsin family of peptidases. It is mapped to 19p13.3. The encoded protein is a component of the alternative complement pathway which is best known for its role in humoral suppression of infectious agents. This protein is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, the encoded protein has a high level of expression in fat, suggesting a role for adipose tissue in immune system biology. What's more, Factor D is a serine protease that stimulates glucose transport for triglyceride accumulation in fats cells and inhibits lipolysis.
Synonyms:	Adipsin, ADN, C3 convertase activator, CFAD_HUMAN, CFD, Complement factor D, Complement factor D preproprotein, D component of complement, DF, PFD, Properdin factor D
Detection Kit Type:	ELISA Kit
Detection Range:	312 pg/ml - 20,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	CFD
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: I26-A253
Purity/Specificity:	Natural and recombinant human CFD . There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P00746](#)
- [NCBI - NP_001304264.1](#)
- [GeneID - 1675](#)
- [KOA0696 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 20,000pg/ml, 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml human CFD 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 human cell culture supernates, serum, plasma (heparin, EDTA) or urine to each empty well. We recommend that each human CFD 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.

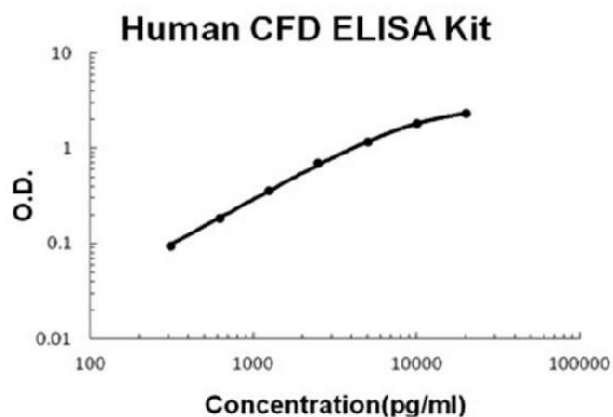
Formulation

Anticoagulant:	Heparin Sodium
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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.

Images



ELISA

Human CFD ELISA Kit standard curve.

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.