

Datasheet for KOA0742**Human Ficolin-2 ELISA Kit****Overview**

Description:	Human Ficolin-2 AccuSignal ELISA Kit - KOA0742
Item No.:	KOA0742
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	0.78 ng/ml - 50 ng/ml

Product Details

Background:	Ficolin-2, which was initially identified as L-ficolin, is a protein that in humans is encoded by the FCN2 gene. The product of this gene belongs to the ficolin family of proteins. This family is characterized by the presence of a leader peptide, a short N-terminal segment, followed by a collagen-like region, and a C-terminal fibrinogen-like domain. It is mapped to 9q34.3. This gene is predominantly expressed in the liver, and has been shown to have carbohydrate binding and opsonic activities. Serum concentration of ficolin-2 varies considerably in healthy individuals. FCN2 promoter polymorphisms were associated with marked changes in the ficolin-2 serum concentration.
Synonyms:	37 kDa elastin-binding protein, Collagen/fibrinogen domain containing protein 2, Collagen/fibrinogen domain-containing protein 2, EBP 37, EBP-37, EBP37, FCN 2, Fcn2, FCN2_HUMAN, FCNL, Ficolin (collagen/fibrinogen domain containing lectin) 2 (hucolin), Ficolin B, Ficolin beta, Ficolin-2, Ficolin-B, Ficolin-beta, Ficolin2, Hucolin, L ficolin, L-ficolin, OTTHUMP00000022518, P35, RP11 263F14.2, Serum lectin p35
Detection Kit Type:	ELISA Kit
Detection Range:	0.78 ng/ml - 50 ng/ml
Sensitivity:	<20 pg/ml

Target Details

Gene Name:	FCN2
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: L26-A313
Purity/Specificity:	Natural and recombinant human Ficolin-2. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q15485 • NCBI - NP_004099.2 • GenelD - 2220 • KOA0742 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 human Ficolin-2 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 or plasma(heparin) to each empty well. It is recommended that each human Ficolin-2 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

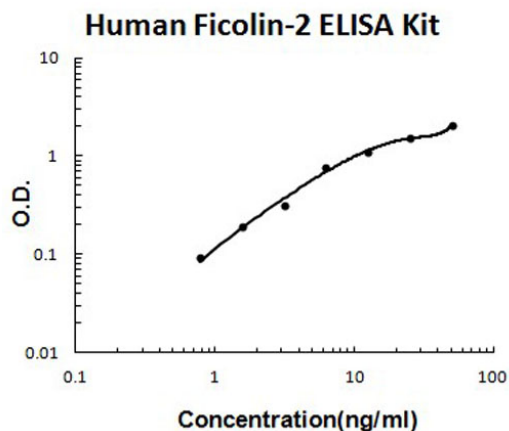
Formulation

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 Ficolin-2 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.