

Datasheet for ABIN6720298 Ficolin 2 ELISA Kit



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Overview

Quantity:	1 kit
Target:	Ficolin 2 (FCN2)
Reactivity:	Human
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 (heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>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</p> <p>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,</p>

Product Details

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.

Gene Name: FCN2

Production: Natural and recombinant human Ficolin-2. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: L26-A313

Target Details

Target:	Ficolin 2 (FCN2)
Alternative Name:	Ficolin-2 (FCN2 Products)
Gene ID:	2220
NCBI Accession:	NP_004099
UniProt:	Q15485
Pathways:	Complement System

Application Details

Application Notes: 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 human Ficolin-2 standard solutions into the pre-coated 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 or plasma (heparin) to each empty well. It is recommended that each human Ficolin-2 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 0.78 ng/mL-50 ng/mL

Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

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.