

## Datasheet for ABIN6720297 **FCN1 ELISA Kit**



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### Overview

Quantity:	1 kit
Target:	FCN1
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: Collagen/fibrinogen domain containing protein 1, Collagen/fibrinogen domain-containing protein 1, Fcn1, FCN1_HUMAN, FCNM, ficolin (collagen/fibrinogen domain containing) 1, Ficolin 1, Ficolin A, Ficolin alpha, Ficolin-1, Ficolin-A, Ficolin-alpha, M ficolin, M-ficolin</p> <p>Background: Ficolin-1, and also commonly termed M-ficolin is a protein that in humans is encoded by the FCN1 gene. It is mapped to 9q34.3. The ficolin family of proteins are 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. Ficolins have a crucial role in</p>

## Product Details

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defense against pneumococcal infection through the lectin complement pathway. Ficolin 1 is predominantly expressed in the peripheral blood leukocytes, and has been postulated to function as a plasma protein with elastin-binding activity.

Gene Name: FCN1

Production: Natural and recombinant human Ficolin-1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A30-A326

## Target Details

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Target: FCN1

Alternative Name: Ficolin-1 ([FCN1 Products](#))

Gene ID: 2219

NCBI Accession: [NP\\_001994](#)

UniProt: [O00602](#)

Pathways: [Complement System](#)

## Application Details

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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-1 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 or plasma(heparin) to each empty well. It is recommended that each human Ficolin-1 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  $\mu$ L

Plate: Pre-coated

Restrictions: For Research Use only

## Handling

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Storage: RT,4 °C,-20 °C

## Handling

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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.