

Datasheet for ABIN6720299 FCN3 ELISA Kit



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Overview

Quantity:	1 kit
Target:	FCN3
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 lectin 3 p35, Collagen/fibrinogen domain containing protein 3, FCN 3, FCNH, Ficolin (collagen/fibrinogen domain containing) 3 (Hakata antigen), Ficolin (collagen/fibrinogen domain containing) 3, Ficolin 3, H ficolin, HAKA1, Hakata antigen, MGC22543</p> <p>Background: Ficolin-3, also known as HAKA1, is a protein that in humans is encoded by the FCN3 gene. It is mapped to 1p36.11. The protein can activate the complement pathway in association with MASPs and sMAP, thereby aiding in host defense through the activation of the lectin pathway. Ficolin-3 is expressed as a 35-kD protein that reacts with systemic lupus</p>

Product Details

erythematosis sera. Ficolin-3 does not bind fibronectin(FN1), elastin(ELN), or zymosan, and the lectin activity of the Ficolin-3 is calcium independent. Homozygosity for the variant in the FCN3 gene results in a recessive complement deficiency syndrome.

Gene Name: FCN3

Production: Natural and recombinant human Ficolin-3. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q24-R299

Target Details

Target: FCN3

Alternative Name: Ficolin-3 ([FCN3 Products](#))

Gene ID: 8547

NCBI Accession: [NP_003656](#)

UniProt: [O75636](#)

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-3 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-3 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

Handling

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.