

Human Ficolin-2 ELISA Kit | Fcnb elisa kit

Ficolin-2, Human, ELISA Kit

CATALOG #
AAA77799

REACTIVITY
Human

PRODUCT SYNONYMS

Ficolin-2; Human; ELISA Kit; P35; Ficolin L; L-ficolin; EBP-37; hucolin; Fcnb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	314
Samples	Serum, plasma and cell culture supernatant samples
Recovery	Normal human blood samples (plasma), containing baseline levels of 500 ng/ml were spiked with recombinant Ficolin-2 in concentrations of 20 and 200 ng/ml. Samples with and without Ficolin-2 were incubated for 1 hour at 37 degree C. Samples were measured using the ELISA. Recovery values for Ficolin-2 ranged between 100 % and 110%.
Standard Range	16-1000 ng/ml
Working Volume	100 ul/well
Preparation and Storage	Product should be stored at 4 degree C. Under recommended storage conditions, product is stable for one year.

ADDITIONAL INFORMATION

Related Product Information for Fcnb elisa kit

Background: Ficolins are a group of proteins containing both a collagen-like domain and a fibrinogen-like domain. Three forms of ficolins have been identified in humans: Ficolin-1 (M-ficolin), Ficolin-2 (L-ficolin), and Ficolin-3 (H-ficolin). Ficolin-2 is produced primarily by the liver. Whereas Ficolin-3 is produced by the liver and the lung and Ficolin-1 by monocytes, leukocytes and lung cells. Ficolin-2 recognizes distinct danger-associated molecular patterns (DAMPs) like GlcNAc structures in Lipoteichoic Acid (LTA) and fungal 1,3-beta-D-glucan. Ficolin-2 also recognizes N-acetylated compounds such as acetylcholine. Furthermore, Ficolin-2 recognizes apoptotic cells and participates in the removal of host cells. Ficolin-2 circulates in complex with MASP-2 and can activate the lectin complement pathway. Ficolin-2 serum levels are reported with varying concentrations. Polymorphisms in the promoter of the FCN2 gene from which Ficolin-2 is derived are associated with variation in Ficolin-2 serum levels. These polymorphisms may influence the affinity of Ficolin-2 to GlcNAc structures. Ficolin-2 deficiencies have not been reported, but low Ficolin-2 serum levels have been associated with recurrent respiratory infections in children. Interestingly, Ficolin-2 has been implicated in the unique immune challenge during pregnancy. In maternal plasma of normal pregnancies, a 4- to 5-fold increase in Ficolin-2 was detected compared to healthy nonpregnant persons. However, significantly lower Ficolin-2 maternal plasma concentrations were associated with pre-eclamptic pregnancies. Therefore, assessment of Ficolin-2 is warranted to study its regulatory role in the innate immune system. Normal human plasma contains a Ficolin-2 concentration ranging from 1 to 14 ug/ml.

Intended Uses: The human Ficolin-2 ELISA kit is to be used for the in vitro quantitative determination of human Ficolin-2 in serum, plasma and cell culture supernatant samples. This kit is intended for laboratory research use only and is not for use in test or therapeutic procedures. The analysis should be performed by trained laboratory professionals.

References

- Atkinson, A et al; L-Ficolin in children with recurrent respiratory infections. Clin Exp Immunol 2004, 138: 517-2.
- Schlapbach, L et al; M-ficolin in the neonatal period: Associations with need for mechanical ventilation and mortality in premature infants with necrotizing enterocolitis. Mol Immunol 2009, 46: 2597

NCBI AND UNIPROT INFORMATION

NCBI GI #	77404440
NCBI GeneID	14134
NCBI Accession #	NP_034320.1
NCBI GenBank Nucleotide #	NM_010190.1
Molecular Weight	33,984 Da
NCBI Official Full Name	ficolin-2
NCBI Official Synonym Full Names	ficolin B
NCBI Official Symbol	Fcnb
NCBI Official Synonym Symbols	Fcn2
NCBI Protein Information	ficolin-2; L-ficolin; ficolin-B; ficolin-beta; collagen/fibrinogen domain-containing protein 2
UniProt Protein Name	Ficolin-2
UniProt Gene Name	Fcn2
UniProt Synonym Gene Names	Fcnb
UniProt Entry Name	FCN2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/ficolin-2/77799>