

ARG81541 Human FCN3 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81541-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81541-002	Standard	2 X 50 ng/vial	4°C
ARG81541-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81541-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81541-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81541-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81541-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81541-008	25X Wash buffer	20 ml	4°C
ARG81541-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81541-010	STOP solution	10 ml (Ready to use)	4°C
ARG81541-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81541 Human FCN3 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human FCN3 in serum, plasma (heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	FCN3
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma (heparin) and cell culture supernatants.
Standard Range	0.78 - 50 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.3% Inter-Assay CV: 7.0%
Alternate Names	Hakata antigen; Collagen/fibrinogen domain-containing protein 3; Collagen/fibrinogen domain-containing lectin 3 p35; Ficolin-3; HAKA1; FCNH

Application Instructions

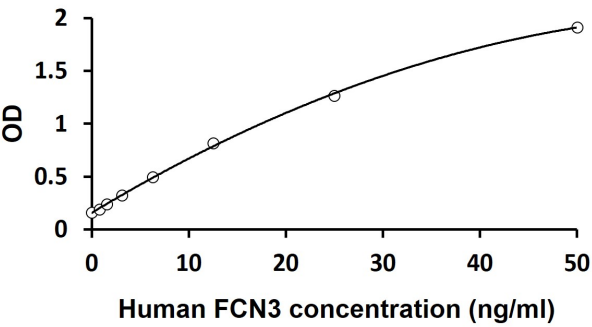
Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FCN3
Gene Full Name	ficolin (collagen/fibrinogen domain containing) 3
Background	Ficolins are a group of proteins which consist of a collagen-like domain and a fibrinogen-like domain. In human serum, there are two types of ficolins, both of which have lectin activity. The protein encoded by this gene is a thermolabile beta-2-macroglycoprotein found in all human serum and is a member of the ficolin/opsonin p35 lectin family. The protein, which was initially identified based on its reactivity with sera from patients with systemic lupus erythematosus, has been shown to have a calcium-independent lectin activity. 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. Alternative splicing occurs at this locus and two variants, each encoding a distinct isoform, have been identified. [provided by RefSeq, Jul 2008]
Function	May function in innate immunity through activation of the lectin complement pathway. Calcium-dependent and GlcNAc-binding lectin. Has affinity with GalNAc, GlcNAc, D-fucose, as mono/oligosaccharide and lipopolysaccharides from <i>S.typhimurium</i> and <i>S.minnesota</i> . [UniProt]
Highlight	Related products: New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The N-terminus is blocked. [UniProt]



ARG81541 Human FCN3 ELISA Kit standard curve image

ARG81541 Human FCN3 ELISA Kit results of a typical standard run with optical density reading at 450 nm.