

ARG81539 Human FCN1 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81539-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81539-002	Standard	2 X 50 ng/vial	4°C
ARG81539-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81539-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81539-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81539-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81539-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81539-008	25X Wash buffer	20 ml	4°C
ARG81539-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81539-010	STOP solution	10 ml (Ready to use)	4°C
ARG81539-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81539 Human FCN1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human FCN1 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	FCN1
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: 5.9% Inter-Assay CV: 6.2%
Alternate Names	Ficolin-A; Collagen/fibrinogen domain-containing protein 1; Ficolin-alpha; Ficolin-1; M-ficolin; FCNM

Application Instructions

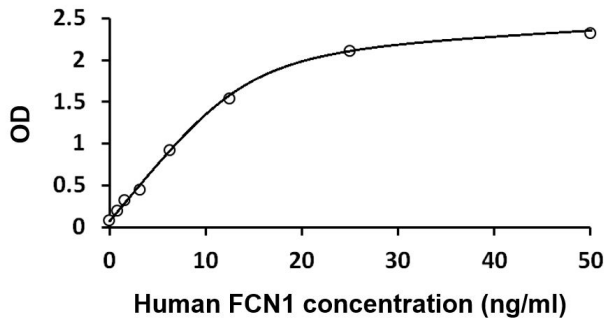
Assay Time	~ 5 hours
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Properties

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	FCN1
Gene Full Name	ficolin (collagen/fibrinogen domain containing) 1
Background	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. The collagen-like and the fibrinogen-like domains are also found separately in other proteins such as complement protein C1q, C-type lectins known as collectins, and tenascins. However, all these proteins recognize different targets, and are functionally distinct. Ficolin 1 encoded by FCN1 is predominantly expressed in the peripheral blood leukocytes, and has been postulated to function as a plasma protein with elastin-binding activity. [provided by RefSeq, Jul 2008]
Function	Extracellular lectin functioning as a pattern-recognition receptor in innate immunity. Binds the sugar moieties of pathogen-associated molecular patterns (PAMPs) displayed on microbes and activates the lectin pathway of the complement system. May also activate monocytes through a G protein-coupled receptor, FFAR2, inducing the secretion of interleukin-8/IL-8. Binds preferentially to 9-O-acetylated 2-6-linked sialic acid derivatives and to various glycans containing sialic acid engaged in a 2-3 linkage. [UniProt]
Highlight	Related products: FCN1 antibodies ; FCN1 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData



ARG81539 Human FCN1 ELISA Kit standard curve image

ARG81539 Human FCN1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.