

## ARG82420 Human CFHR5 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82420-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82420-002	Standard	2 X 50 ng/vial	4°C
ARG82420-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82420-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82420-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82420-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82420-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82420-008	25X Wash buffer	20 ml	4°C
ARG82420-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82420-010	STOP solution	10 ml (Ready to use)	4°C
ARG82420-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82420 Human CFHR5 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CFHR5 in serum, plasma (EDTA, heparin), cell culture supernatants and urine.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	CFHR5
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.39 ng/ml
Sample Type	Serum, plasma (EDTA, heparin), cell culture supernatants and urine.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.5% Inter-Assay CV: 5.1%

Alternate Names CFHL5; FHR-5; CFHR5D; FHR5; Complement factor H-related protein 5

## Application Instructions

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Assay Time ~ 5 hours

## Properties

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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

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Gene Symbol CFHR5

Gene Full Name complement factor H-related 5

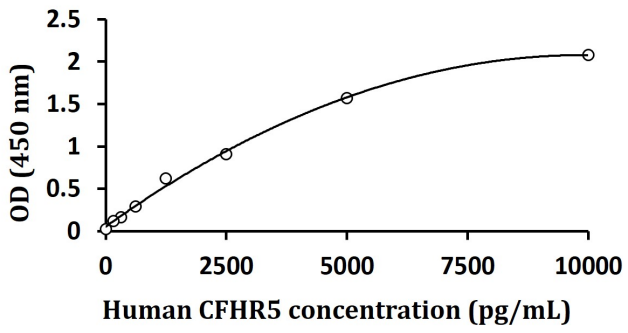
Background This gene is a member of a small complement factor H (CFH) gene cluster on chromosome 1. Each member of this gene family contains multiple short consensus repeats (SCRs) typical of regulators of complement activation. The protein encoded by this gene has nine SCRs with the first two repeats having heparin binding properties, a region within repeats 5-7 having heparin binding and C reactive protein binding properties, and the C-terminal repeats being similar to a complement component 3 b (C3b) binding domain. This protein co-localizes with C3, binds C3b in a dose-dependent manner, and is recruited to tissues damaged by C-reactive protein. Allelic variations in this gene have been associated, but not causally linked, with two different forms of kidney disease: membranoproliferative glomerulonephritis type II (MPGNII) and hemolytic uraemic syndrome (HUS). [provided by RefSeq, Jan 2010]

Function Involved in complement regulation. The dimerized forms have avidity for tissue-bound complement fragments and efficiently compete with the physiological complement inhibitor CFH. [UniProt]

Highlight Related products:

New ELISA data calculation tool:  
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Secreted. [UniProt]



ARG82420 Human CFHR5 ELISA Kit standard curve image

ARG82420 Human CFHR5 ELISA Kit results of a typical standard run with optical density reading at 450 nm.