

Product datasheet

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ARG81519 Human Factor D ELISA Kit

Package: 96 wells Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81519-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81519-002	Standard	2 X 20 ng/vial	4°C
ARG81519-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81519-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81519-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81519-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81519-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81519-008	25X Wash buffer	20 ml	4°C
ARG81519-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81519-010	STOP solution	10 ml (Ready to use)	4°C
ARG81519-011	Plate sealer	4 strips	Room temperature

Summary

Tested Application

Product Description	ARG81519 Human Factor D ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human
	Factor D in serum, plasma (heparin, EDTA), urine and cell culture supernatants.

Tested Reactivity Hu

Specificity There is no detectable cross-reactivity with other relevant proteins.

Target Name Factor D

Conjugation HRP

Conjugation Note Substrate: TMB and read at 450 nm.

ELISA

Sensitivity 156 pg/ml

Sample Type Serum, plasma (heparin, EDTA), urine and cell culture supernatants.

Standard Range 312 - 20000 pg/ml

Sample Volume $100 \ \mu l$

Precision Intra-Assay CV: 5.6%

Inter-Assay CV: 6.1%

Alternate Names C3 convertase activator; PFD; Properdin factor D; DF; Complement factor D; ADIPSIN; EC 3.4.21.46;

ADN; Adipsin

Application Instructions

Assay Time ~ 5 hours

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 CFD

Gene Full Name complement factor D (adipsin)

Background The protein encoded by this gene is a member of the trypsin family of peptidases. The encoded protein

is a component of the alternative complement pathway best known for its role in humoral suppression of infectious agents. This protein is also a serine protease that is secreted by adipocytes into the bloodstream. Finally, the encoded protein has a high level of expression in fat, suggesting a role for

adipose tissue in immune system biology. [provided by RefSeq, Jul 2008]

Function Factor D cleaves factor B when the latter is complexed with factor C3b, activating the C3bbb complex,

which then becomes the C3 convertase of the alternate pathway. Its function is homologous to that of

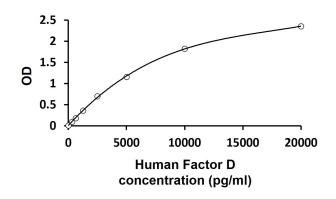
C1s in the classical pathway. [UniProt]

Highlight Related products:

<u>Factor D antibodies;</u> <u>Factor D ELISA Kits;</u> <u>Factor D Duos / Panels;</u>

New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81519 Human Factor D ELISA Kit standard curve image

ARG81519 Human Factor D ELISA Kit results of a typical standard run with optical density reading at 450 nm.