

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

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
Tested Application	ELISA
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.
Sensitivity	156 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), urine and cell culture supernatants.
Standard Range	312 - 20000 pg/ml
Sample Volume	100 µl

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
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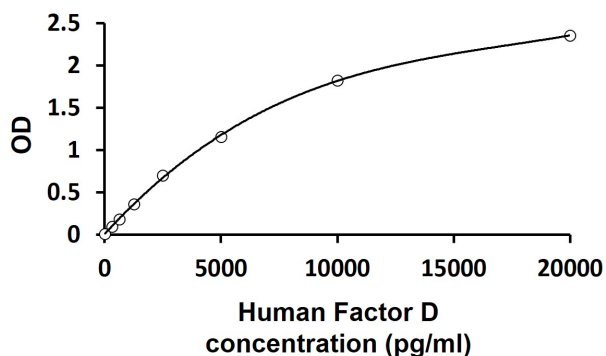
Properties

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	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: Factor D antibodies ; Factor D ELISA Kits ; Factor D Duos / Panels ; 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.