

ARG81603 Human FOLR2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81603-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81603-002	Standard	2 X 10 ng/vial	4°C
ARG81603-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81603-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81603-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81603-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81603-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81603-008	25X Wash buffer	20 ml	4°C
ARG81603-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81603-010	STOP solution	10 ml (Ready to use)	4°C
ARG81603-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81603 Human FOLR2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human FOLR2 in serum and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	FOLR2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.0% Inter-Assay CV: 7.6%
Alternate Names	Folate receptor 2; BETA-HFR; FBP; Folate receptor beta; Folate receptor, fetal/placental; FBP/PL-1; FR-beta; FR-P3; Placental folate-binding protein; FR-BETA

Application Instructions

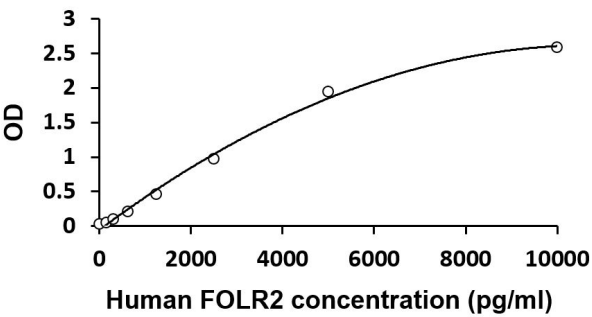
Assay Time	~ 5 hours
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Properties

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	FOLR2
Gene Full Name	folate receptor 2 (fetal)
Background	The protein encoded by this gene is a member of the folate receptor (FOLR) family, and these genes exist in a cluster on chromosome 11. Members of this gene family have a high affinity for folic acid and for several reduced folic acid derivatives, and they mediate delivery of 5-methyltetrahydrofolate to the interior of cells. This protein has a 68% and 79% sequence homology with the FOLR1 and FOLR3 proteins, respectively. Although this protein was originally thought to be specific to placenta, it can also exist in other tissues, and it may play a role in the transport of methotrexate in synovial macrophages in rheumatoid arthritis patients. Multiple transcript variants that encode the same protein have been found for this gene. [provided by RefSeq, Jul 2008]
Function	Binds to folate and reduced folic acid derivatives and mediates delivery of 5-methyltetrahydrofolate and folate analogs into the interior of cells. Has high affinity for folate and folic acid analogs at neutral pH. Exposure to slightly acidic pH after receptor endocytosis triggers a conformation change that strongly reduces its affinity for folates and mediates their release. [UniProt]
Highlight	Related products: FOLR2 antibodies ; FOLR2 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	N-glycosylated. [UniProt]



ARG81603 Human FOLR2 ELISA Kit standard curve image

ARG81603 Human FOLR2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.