

## ARG81536 Human FOLR1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG81536-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81536-002	Standard	2 X 10 ng/vial	4°C
ARG81536-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81536-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81536-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81536-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81536-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81536-008	25X Wash buffer	20 ml	4°C
ARG81536-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81536-010	STOP solution	10 ml (Ready to use)	4°C
ARG81536-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG81536 Human FOLR1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human FOLR1 in serum, plasma (heparin, EDTA), saliva, urine, human milk and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	FOLR1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	23.45 pg/ml
Sample Type	Serum, plasma (heparin, EDTA), saliva, urine, human milk and cell culture supernatants.
Standard Range	46.9 - 3000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.9% Inter-Assay CV: 8.2%
Alternate Names	KB cells FBP; FBP; FOLR; Ovarian tumor-associated antigen MOv18; FR-alpha; Folate receptor alpha; Folate receptor 1; Adult folate-binding protein; Folate receptor, adult

## Application Instructions

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Assay Time	~ 5 hours
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## Properties

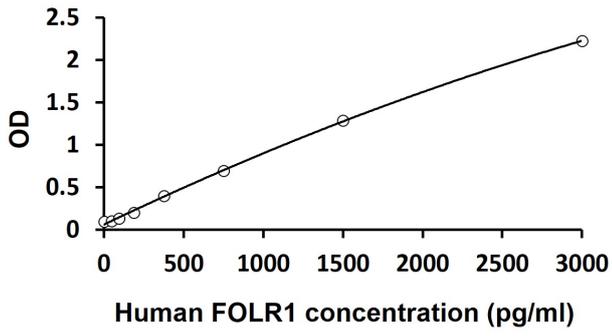
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Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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Gene Symbol	FOLR1
Gene Full Name	folate receptor 1 (adult)
Background	The protein encoded by this gene is a member of the folate receptor family. Members of this gene family bind folic acid and its reduced derivatives, and transport 5-methyltetrahydrofolate into cells. This gene product is a secreted protein that either anchors to membranes via a glycosyl-phosphatidylinositol linkage or exists in a soluble form. Mutations in this gene have been associated with neurodegeneration due to cerebral folate transport deficiency. Due to the presence of two promoters, multiple transcription start sites, and alternative splicing, multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Oct 2009]
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. Required for normal embryonic development and normal cell proliferation. [UniProt]
Highlight	Related products: <a href="#">FOLR1 antibodies</a> ; <a href="#">FOLR1 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	The secreted form is derived from the membrane-bound form either by cleavage of the GPI anchor, or/and by proteolysis catalyzed by a metalloprotease. [UniProt]



ARG81536 Human FOLR1 ELISA Kit standard curve image

ARG81536 Human FOLR1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.