

Product datasheet

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ARG81859 Mouse FOLR1 ELISA Kit

Package: 96 wells Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81859-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81859-002	Standard	2 X 10 ng/vial	4°C
ARG81859-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81859-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81859-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81859-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81859-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81859-008	25X Wash buffer	20 ml	4°C
ARG81859-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81859-010	STOP solution	10 ml (Ready to use)	4°C
ARG81859-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81859 Mouse FOLK1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse FOLK1			
	in serum, plasma (heparin, EDTA) and cell culture supernatants.			

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Tested Reactivity Ms
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) and cell culture supernatants.

Standard Range 46.9 - 3000 pg/ml

Sample Volume $100 \ \mu l$

Precision Intra-Assay CV: 5.4%; Inter-Assay CV: 5.7%

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

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

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

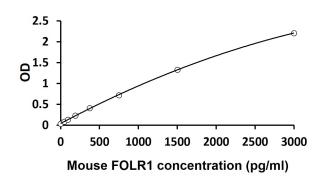
Related products:

FOLR1 antibodies; FOLR1 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

ртм

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]



ARG81859 Mouse FOLR1 ELISA Kit standard curve image

ARG81859 Mouse FOLR1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.