

## ARG82104 Mouse EFEMP1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82104-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82104-002	Standard	2 X 20 ng/vial	4°C
ARG82104-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82104-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82104-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82104-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82104-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82104-008	25X Wash buffer	20 ml	4°C
ARG82104-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82104-010	STOP solution	10 ml (Ready to use)	4°C
ARG82104-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82104 Mouse EFEMP1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse EFEMP1 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	EFEMP1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	0.156 ng/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	0.312 - 20 ng/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.4%; Inter-Assay CV: 6.9%
Alternate Names	FIBL-3; MTLV; S1-5; Fibrillin-like protein; DRAD; FBNL; Extracellular protein S1-5; Fibulin-3; MLVT; FBLN3; DHRD; EGF-containing fibulin-like extracellular matrix protein 1

## Application Instructions

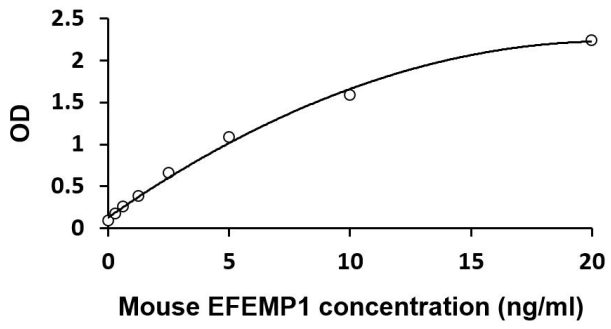
Assay Time	~ 5 hours
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## Properties

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	EFEMP1
Gene Full Name	EGF containing fibulin-like extracellular matrix protein 1
Background	This gene encodes a member of the fibulin family of extracellular matrix glycoproteins. Like all members of this family, the encoded protein contains tandemly repeated epidermal growth factor-like repeats followed by a C-terminus fibulin-type domain. This gene is upregulated in malignant gliomas and may play a role in the aggressive nature of these tumors. Mutations in this gene are associated with Doyme honeycomb retinal dystrophy. Alternatively spliced transcript variants that encode the same protein have been described.[provided by RefSeq, Nov 2009]
Function	Binds EGFR, the EGF receptor, inducing EGFR autophosphorylation and the activation of downstream signaling pathways. May play a role in cell adhesion and migration. May function as a negative regulator of chondrocyte differentiation. In the olfactory epithelium, it may regulate glial cell migration, differentiation and the ability of glial cells to support neuronal neurite outgrowth. [UniProt]
Highlight	Related products: <a href="#">EFEMP1 ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
Cellular Localization	Secreted, extracellular space. Secreted, extracellular space, extracellular matrix. Note=Localizes to the lamina propria underneath the olfactory epithelium. [UniProt]



ARG82104 Mouse EFEMP1 ELISA Kit standard curve image

ARG82104 Mouse EFEMP1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.