

ARG81931 Mouse FABP4 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81931-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81931-002	Standard	2 X 10 ng/vial	4°C
ARG81931-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81931-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81931-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81931-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81931-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81931-008	25X Wash buffer	20 ml	4°C
ARG81931-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81931-010	STOP solution	10 ml (Ready to use)	4°C
ARG81931-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81931 Mouse FABP4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse FABP4 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	FABP4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 7.0%; Inter-Assay CV: 7.6%
Alternate Names	Adipocyte lipid-binding protein; Fatty acid-binding protein, adipocyte; aP2; HEL-S-104; AFABP; A-FABP; ALBP; Adipocyte-type fatty acid-binding protein; Fatty acid-binding protein 4

Application Instructions

Assay Time	~ 5 hours
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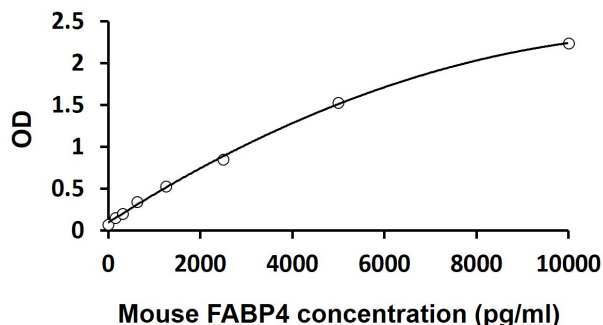
Properties

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	FABP4
Gene Full Name	fatty acid binding protein 4, adipocyte
Background	FABP4 encodes the fatty acid binding protein found in adipocytes. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. [provided by RefSeq, Jul 2008]
Function	Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus (By similarity). [UniProt]
Highlight	Related products: FABP4 antibodies ; FABP4 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData

Images



ARG81931 Mouse FABP4 ELISA Kit standard curve image

ARG81931 Mouse FABP4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.