

Product datasheet

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ARG81966 Rat FABP4 ELISA Kit

Package: 96 wells Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81966-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81966-002	Standard	2 X 10 ng/vial	4°C
ARG81966-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81966-004	Antibody conjugate concentrate (100X)	1 vial (100 μl)	4°C
ARG81966-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81966-006	HRP-Streptavidin concentrate (100X)	1 vial (100 μl)	4°C
ARG81966-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81966-008	25X Wash buffer	20 ml	4°C
ARG81966-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81966-010	STOP solution	10 ml (Ready to use)	4°C
ARG81966-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81966 Rat FABP4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat FABP4 in

serum, plasma (heparin, EDTA) and cell culture supernatants.

Tested Reactivity Rat
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 $100 \ \mu l$

Precision Intra-Assay CV: 4.9%; Inter-Assay CV: 5.3%

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

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]

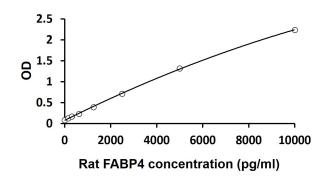
Function Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-

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



ARG81966 Rat FABP4 ELISA Kit standard curve image

ARG81966 Rat FABP4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.