

ARG82852 Rat H-FABP / Cardiac FABP ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82852-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82852-002	Standard	2 X 10 ng/vial	4°C
ARG82852-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82852-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82852-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82852-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82852-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82852-008	25X Wash buffer	20 ml	4°C
ARG82852-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82852-010	STOP solution	10 ml (Ready to use)	4°C
ARG82852-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82852 Rat H-FABP / Cardiac FABP ELISA Kit is an Enzyme Immunoassay kit for the quantification of Rat H-FABP / Cardiac FABP in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Rat
Tested Application	ELISA
Target Name	H-FABP / Cardiac FABP
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	46.9 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	93.7 - 6000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.9% Inter-Assay CV: 6.6%

Alternate Names	FABP11; H-FABP; O-FABP; Heart-type fatty acid-binding protein; MDGI; Fatty acid-binding protein 3; Muscle fatty acid-binding protein; Mammary-derived growth inhibitor; Fatty acid-binding protein, heart; M-FABP
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Application Instructions

Assay Time	~ 5 hours
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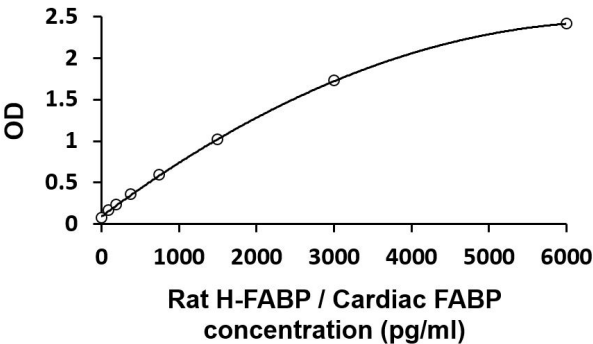
Properties

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	FABP3
Gene Full Name	fatty acid binding protein 3, muscle and heart
Background	The intracellular fatty acid-binding proteins (FABPs) belongs to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
Function	FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG82852 Rat H-FABP / Cardiac FABP ELISA Kit standard curve image

ARG82852 Rat H-FABP / Cardiac FABP ELISA Kit results of a typical standard run with optical density reading at 450 nm.