ARG82624
Human FABP2 / Intestinal FABP ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82624-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82624-002	Standard	2 X 10 ng/vial	4°C
ARG82624-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82624-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82624-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82624-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82624-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82624-008	25X Wash buffer	20 ml	4°C
ARG82624-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82624-010	STOP solution	10 ml (Ready to use)	4°C
ARG82624-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82624 Human FABP2 / Intestinal FABP ELISA KitPPPPP is an Enzyme Immunoassay kit for the quantification of Human FABP2 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	FABP2 / Intestinal FABP
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	31.3 - 2000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 5.6% Inter-Assay CV: 7.2%
Alternate Names	Intestinal-type fatty acid-binding protein; I-FABP; Fatty acid-binding protein, intestinal; Fatty acid-binding protein 2; FABPI

Application Instructions

Assay Time	~ 5 hours

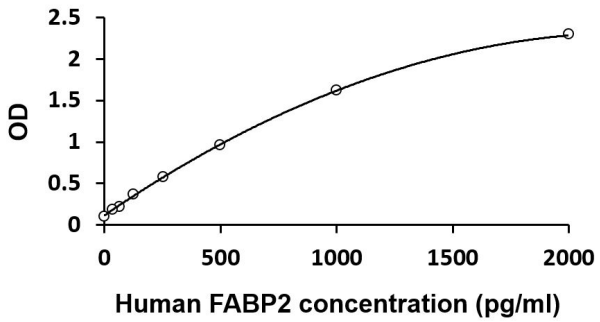
Properties

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	FABP2
Gene Full Name	fatty acid binding protein 2, intestinal
Background	The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. 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. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance. [provided by RefSeq, Jul 2008]
Function	FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis. Binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor. [UniProt]
Highlight	Related products: FABP2 antibodies; FABP2 ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG82624 Human FABP2 / Intestinal FABP ELISA Kit standard curve image

ARG82624 Human FABP2 / Intestinal FABP ELISA Kit results of a typical standard run with optical density reading at 450 nm.