

Human IFABP/FABP2 Antibody Pair Set

Catalog No. E-KAB-0034

Applications

ELISA

Synonyms FABPI, I-FABP

Kit components & Storage

Title	Specifications	Storage
Human IFABP/FABP2 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human IFABP/FABP2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

Note: Centrifuge before opening to ensure complete recovery of vial contents.

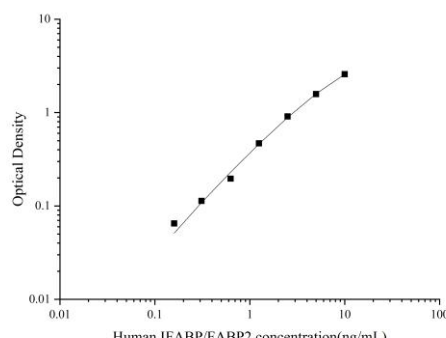
Product Information

Items		Characteristic (E-KAB-0034)	
		Human IFABP/FABP2 Capture Antibody	Human IFABP/FABP2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IFABP/FABP2 protein	Recombinant Human IFABP/FABP2 protein
	Swissprot	P12104	
Product details	Reactivity	Human	Human
	Host	Mouse	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Human IFABP/FABP2 in ELISAs.	

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Applications

Human IFABP/FABP2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human IFABP/FABP2 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human IFABP/FABP2 concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.05</td></tr><tr><td>0.2</td><td>0.1</td></tr><tr><td>0.5</td><td>0.2</td></tr><tr><td>1</td><td>0.4</td></tr><tr><td>2</td><td>0.8</td></tr><tr><td>5</td><td>1.5</td></tr><tr><td>10</td><td>2.5</td></tr></tbody></table>	Human IFABP/FABP2 concentration (ng/mL)	Optical Density	0.1	0.05	0.2	0.1	0.5	0.2	1	0.4	2	0.8	5	1.5	10	2.5
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ELISA Detection	1:1000-1:10000	Human IFABP/FABP2 Detection Antibody (Biotin)																	

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

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.

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