

Human FABP1 Antibody Pair Set

Catalog No.	E-KAB-0133	Applications	ELISA
Synonyms	FABP-1, FABPL, L-FABP, LFABP		

Kit components & Storage

Title	Specifications	Storage
Human FABP1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human FABP1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

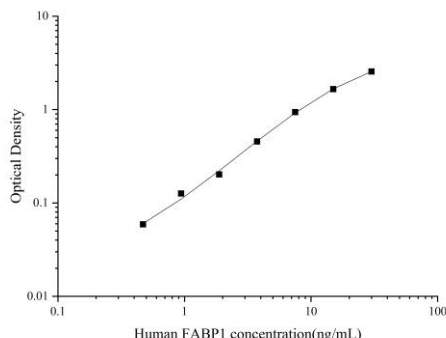
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0133)	
		Human FABP1 Capture Antibody	Human FABP1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human FABP1 protein	Recombinant Human FABP1 protein
	Swissprot	P07148	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	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	Protein A
	Specificity	Detects Human FABP1 in ELISAs.	

Applications

Human FABP1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human FABP1 Capture Antibody	 <p>The graph displays a standard curve for the Human FABP1 Sandwich ELISA Assay. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The x-axis represents Human FABP1 concentration in ng/mL on a logarithmic scale from 0.1 to 100. Six data points are plotted, showing a clear positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human FABP1 concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.5</td> <td>0.05</td> </tr> <tr> <td>1</td> <td>0.1</td> </tr> <tr> <td>2</td> <td>0.2</td> </tr> <tr> <td>5</td> <td>0.5</td> </tr> <tr> <td>10</td> <td>1.0</td> </tr> <tr> <td>20</td> <td>2.0</td> </tr> </tbody> </table>	Human FABP1 concentration (ng/mL)	Optical Density	0.5	0.05	1	0.1	2	0.2	5	0.5	10	1.0	20	2.0
Human FABP1 concentration (ng/mL)	Optical Density																
0.5	0.05																
1	0.1																
2	0.2																
5	0.5																
10	1.0																
20	2.0																
ELISA Detection	1:1000-1:10000	Human FABP1 Detection Antibody (Biotin)															

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

Background

This gene encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. This protein and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism.