

Human FABP4 Antibody Pair Set

Catalog No.	E-KAB-0263	Applications	ELISA
Synonyms	A-FABP, AFABP, AP2, Adipocyte Protein 2		

Kit components & Storage

Title	Specifications	Storage
Human FABP4 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human FABP4 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.

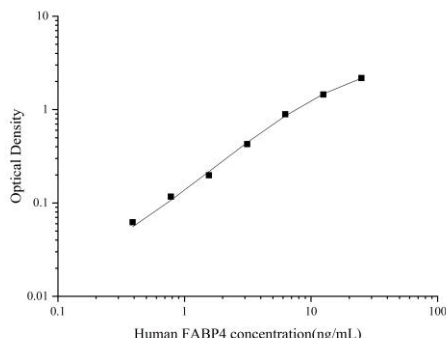
Product Information

Items		Characteristic (E-KAB-0263)	
		Human FABP4 Capture Antibody	Human FABP4 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human FABP4 protein	Recombinant Human FABP4 protein
	Swissprot	P15090	
Product details	Reactivity	Human	Human
	Host	Rat	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 FABP4 in ELISAs.	

For Research Use Only

Applications

Human FABP4 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human FABP4 Capture Antibody	 <p>The graph displays a standard curve for the Human FABP4 Sandwich ELISA Assay. The x-axis represents Human FABP4 concentration in ng/mL, ranging from 0.1 to 100 on a logarithmic scale. The y-axis represents Optical Density, ranging from 0.01 to 10 on a logarithmic scale. The data points form a straight line, indicating a linear relationship between the concentration of Human FABP4 and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human FABP4 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> <tr> <td>50</td> <td>5.0</td> </tr> </tbody> </table>	Human FABP4 concentration (ng/mL)	Optical Density	0.5	0.05	1	0.1	2	0.2	5	0.5	10	1.0	20	2.0	50	5.0
Human FABP4 concentration (ng/mL)	Optical Density																		
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ELISA Detection	1:1000-1:10000	Human FABP4 Detection Antibody (Biotin)																	

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

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.