

## Human FABP3 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0281	<b>Applications</b>	ELISA
<b>Synonyms</b>	FABP11, H-FABP, Hfabp, M-FABP, MDGI, O-FABP, Heart-type fatty acid binding protein, fatty acid binding protein 3, Mammary Derived Growth Inhibitor		

### Kit components & Storage

Title	Specifications	Storage
Human FABP3 Capture Antibody	1 vial, 100 μg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human FABP3 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.

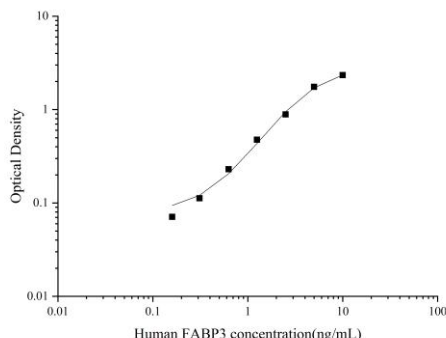
### Product Information

Items		Characteristic (E-KAB-0281)	
		Human FABP3 Capture Antibody	Human FABP3 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human FABP3 protein	Recombinant Human FABP3 protein
	Swissprot	P05413	
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 or G	Protein A or G
Specificity	Detects Human FABP3 in ELISAs.		

**For Research Use Only**

## Applications

### Human FABP3 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human FABP3 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human FABP3 concentration (ng/mL). The x-axis ranges from 0.01 to 100 ng/mL, and the y-axis ranges from 0.01 to 10. The data points show a clear upward trend, indicating that as the concentration of Human FABP3 increases, the optical density also increases. The curve is approximately linear on this log-log scale, suggesting a power-law relationship between the two variables.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human FABP3 concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.08</td> </tr> <tr> <td>0.2</td> <td>0.12</td> </tr> <tr> <td>0.5</td> <td>0.25</td> </tr> <tr> <td>1</td> <td>0.4</td> </tr> <tr> <td>2</td> <td>0.7</td> </tr> <tr> <td>5</td> <td>1.5</td> </tr> <tr> <td>10</td> <td>2.5</td> </tr> </tbody> </table>	Human FABP3 concentration (ng/mL)	Optical Density	0.1	0.08	0.2	0.12	0.5	0.25	1	0.4	2	0.7	5	1.5	10	2.5
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ELISA Detection	1:1000-1:10000	Human FABP3 Detection Antibody (Biotin)																	

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

## Background

FABP3 (fatty-acid-binding protein 3), also known as heart-type FABP or mammary-derived growth inhibitor (MDGI), is a small 15-kDa cytoplasmic protein transporting fatty acids and other lipophilic substances from the cytoplasm to the nucleus. It is most ubiquitously expressed in heart and skeletal muscle.