

Human IGFBP-6 Antibody Pair Set

Catalog No. E-KAB-0431

Applications

ELISA

Synonyms IBP6;IGFBP6

Kit components & Storage

Title	Specifications	Storage
Human IGFBP-6 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human IGFBP-6 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.

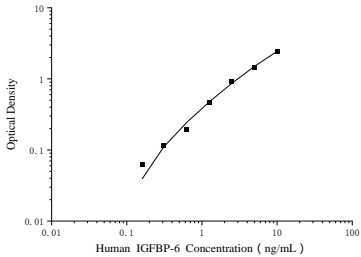
Product Information

Items		Characteristic (E-KAB-0431)	
		Human IGFBP-6 Capture Antibody	Human IGFBP-6 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IGFBP-6 protien	Recombinant Human IGFBP-6 protien
	Swissprot	P24592	
Product details	Reactivity	Human	Human
	Host	Mouse	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Human IGFBP-6 in ELISAs.	

For Research Use Only

Applications

Human IGFBP-6 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images																				
ELISA Capture	0.5-4 µg/mL	Human IGFBP-6 Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human IGFBP-6 Concentration (ng/mL)' and ranges from 0.01 to 100. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The data points form a straight line with a positive slope, indicating a power-law relationship between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human IGFBP-6 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>1.6</td></tr> <tr><td>10</td><td>3.2</td></tr> <tr><td>20</td><td>6.4</td></tr> <tr><td>50</td><td>12.8</td></tr> </tbody> </table>	Human IGFBP-6 Concentration (ng/mL)	Optical Density	0.1	0.05	0.2	0.1	0.5	0.2	1	0.4	2	0.8	5	1.6	10	3.2	20	6.4	50	12.8
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50	12.8																						
ELISA Detection	1:1000-1:10000	Human IGFBP-6 Detection Antibody (Biotin)																					

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

Background

IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. Activates the MAPK signaling pathway and induces cell migration