

Human FGF23 Antibody Pair Set

Catalog No.	E-KAB-0452	Applications	ELISA
Synonyms	FGF-23;ADHR;FGFN;HYPF;HPDR2;PHPTC		

Kit components & Storage

Title	Specifications	Storage
Human FGF23 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human FGF23 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

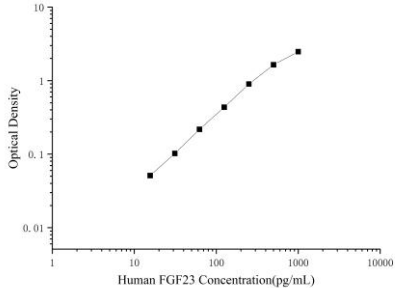
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0452)	
		Human FGF23 Capture Antibody	Human FGF23 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human FGF23 protien	Recombinant Human FGF23 protien
	Swissprot	Q9GZV9	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human FGF23 in ELISAs.	

Applications

Human FGF23 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human FGF23 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human FGF23 Concentration (pg/mL). The x-axis ranges from 1 to 10,000 pg/mL, and the y-axis ranges from 0.01 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the log of concentration and the log of optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human FGF23 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>20</td> <td>0.1</td> </tr> <tr> <td>50</td> <td>0.2</td> </tr> <tr> <td>100</td> <td>0.4</td> </tr> <tr> <td>200</td> <td>0.8</td> </tr> <tr> <td>500</td> <td>1.5</td> </tr> <tr> <td>1000</td> <td>3.0</td> </tr> </tbody> </table>	Human FGF23 Concentration (pg/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.4	200	0.8	500	1.5	1000	3.0
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ELISA Detection	1:1000-1:10000	Human FGF23 Detection Antibody (Biotin)																	

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

Background

Regulator of phosphate homeostasis .Inhibits renal tubular phosphate transport by reducing SLC34A1 levels.Up-regulates EGR1 expression in the presence of KL .Acts directly on the parathyroid to decrease PTH secretion.Regulator of vitamin-D metabolism .Negatively regulates osteoblast differentiation and matrix mineralization.