

Human FSH Antibody Pair Set

Catalog No. E-KAB-0123

Applications

ELISA

Synonyms FSH

Kit components & Storage

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

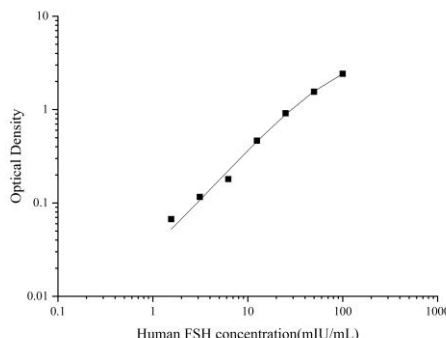
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0123)	
		Human FSH Capture Antibody	Human FSH Detection Antibody (Biotin)
Immunogen Information	Immunogen	Native Protein	Native Protein
	Swissprot	P01225(FSH beta)	
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 FSH in ELISAs.	

Applications

Human FSH Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human FSH Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human FSH concentration(mIU/mL)' and ranges from 0.1 to 1000. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. Six data points are plotted, showing a clear upward trend. A straight line is drawn through the points, indicating a linear relationship on the log-log scale.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human FSH concentration (mIU/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.05</td> </tr> <tr> <td>2</td> <td>0.1</td> </tr> <tr> <td>5</td> <td>0.2</td> </tr> <tr> <td>10</td> <td>0.4</td> </tr> <tr> <td>20</td> <td>0.8</td> </tr> <tr> <td>50</td> <td>1.5</td> </tr> </tbody> </table>	Human FSH concentration (mIU/mL)	Optical Density	1	0.05	2	0.1	5	0.2	10	0.4	20	0.8	50	1.5
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ELISA Detection	1:1000-1:10000	Human FSH Detection Antibody (Biotin)															

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

Background

Follicle stimulating hormone enables ovarian folliculogenesis to the antral follicle stage and is essential for Sertoli cell proliferation and maintenance of sperm quality in the testis. Members of the pituitary glycoprotein hormone family, of which FSH is one consist of a shared alpha chain and a beta chain encoded by a separate gene. The FSH beta gene encodes the beta subunit of follicle stimulating hormone.