

Mouse PRL Antibody Pair Set

Catalog No.	E-KAB-0570	Applications	ELISA
Synonyms	LTH;Lactotrope;Luteotropic Hormone		

Kit components & Storage

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

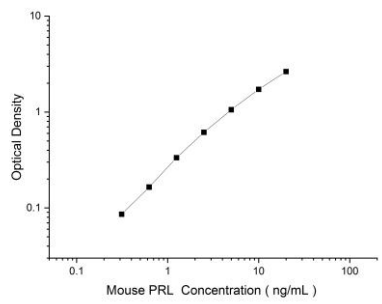
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0570)	
		Mouse PRL Capture Antibody	Mouse PRL Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse PRL protien	Recombinant Mouse PRL protien
	Swissprot	P06879	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	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 & Antigen Affinity	Protein A & Antigen Affinity
	Specificity	Detects Mouse PRL in ELISAs.	

Applications

Mouse PRL Sandwich ELISA Assay:

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

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

Background

Prolactin acts primarily on the mammary gland by promoting lactation.