

Mouse CD23 Antibody Pair Set

Catalog No.	E-KAB-0723	Applications	ELISA
Synonyms	FCER2;BLAST-2;CD23A;CLEC4J;FCE2;IGEBF;Fc epsilon RII		

Kit components & Storage

Title	Specifications	Storage
Mouse CD23 Capture Antibody	1 vial, 100 µg	Store at -20°C. Avoid freeze / thaw cycles.
Mouse CD23 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C. Avoid freeze / thaw cycles.

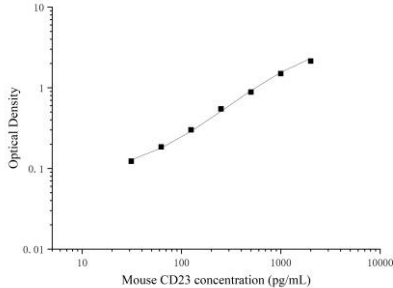
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0723)	
		Mouse CD23 Capture Antibody	Mouse CD23 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse CD23 protein	Recombinant Mouse CD23 protein
	Swissprot	P20693	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	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	Affinity purification	Affinity purification
	Specificity	Detects Mouse CD23 in ELISAs.	

Applications

Mouse CD23 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4ug/mL	Mouse CD23 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse CD23 concentration (pg/mL). The x-axis ranges from 10 to 10000 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 concentration of the antigen and the resulting optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse CD23 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>10</td><td>0.1</td></tr> <tr><td>100</td><td>0.3</td></tr> <tr><td>1000</td><td>1.0</td></tr> <tr><td>10000</td><td>3.0</td></tr> </tbody> </table>	Mouse CD23 concentration (pg/mL)	Optical Density	10	0.1	100	0.3	1000	1.0	10000	3.0
Mouse CD23 concentration (pg/mL)	Optical Density												
10	0.1												
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1000	1.0												
10000	3.0												
ELISA Detection	1:1000-1:10000	Mouse CD23 Detection Antibody (Biotin)											

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

Background

CD23 is a 45 kD protein also known as low affinity IgE Fc receptor, FcεRII, BLAST-2, Ly-42, or B6. It is a member of the Ig family, expressed on conventional B (but not B-1) cells and follicular dendritic cells. CD23 responds to high levels of IgE by downregulating IgE secretion.