

Human Bcl-2 Antibody Pair Set

Catalog No. E-KAB-0497

Applications

ELISA

Synonyms Bcl2;PPP1R50

Kit components & Storage

Title	Specifications	Storage
Human Bcl-2 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human Bcl-2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

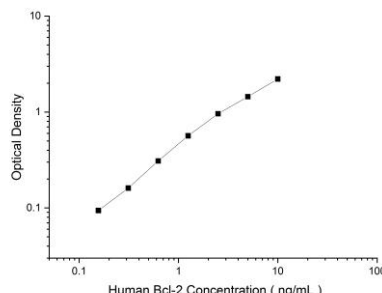
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0497)	
		Human Bcl-2 Capture Antibody	Human Bcl-2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human Bcl-2 protien	Recombinant Human Bcl-2 protien
	Swissprot	P10415	
Product details	Reactivity	Human	Human
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human Bcl-2 in ELISAs.	

Applications

Human Bcl-2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human Bcl-2 Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human Bcl-2 Concentration (ng/mL)' and ranges from 0.1 to 100. The y-axis is labeled 'Optical Density' and ranges from 0.1 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of Human Bcl-2 and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human Bcl-2 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> </tbody> </table>	Human Bcl-2 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
Human Bcl-2 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																		
ELISA Detection	1:1000-1:10000	Human Bcl-2 Detection Antibody (Biotin)																	

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

Background

This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Two transcript variants, produced by alternate splicing, differ in their C-terminal ends.