

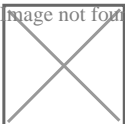
Rat Bcl2 ELISA Kit

Description

Product Name	Rat Bcl2(B-Cell Leukemia/Lymphoma 2) ELISA Kit
Catalogue No.	7760ELK
Alternative Names:	B-Cell CLL/Lymphoma 2
Assay Type	Sandwich
Sensitivity	28 pg/mL
Range	78.13-5000 pg/mL
Sample Type	serum, plasma, tissue homogenates and other biological fluids
Assay Length	3.5h
Research Area	Signal transduction;Apoptosis;
Test principle	<p>The test principle applied in this kit is Sandwich enzyme immunoassay. The microplate in this kit has been pre-coated with an antibody specific to B-Cell Leukemia/Lymphoma 2(Bcl2). Standards or samples are added to the appropriate microtiter plate wells. After washing, antibody specific to B-Cell Leukemia/Lymphoma 2(Bcl2). Next, Avidin conjugated with Peroxidase (HRP) is added to each microplate well and incubated. After washing, TMB is added, only those wells that contain B-Cell Leukemia/Lymphoma 2(Bcl2) and enzyme-conjugated Avidin will exhibit a change in color. The enzyme activity is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm \pm 10nm. The concentration of B-Cell Leukemia/Lymphoma 2(Bcl2) in the samples is then determined by comparing to the standard curve.</p>

	CONCENTRATION (NG/ML)	OD	
	5000.00	2.096	2.020
	2500.00	1.587	1.511
	1250.00	1.142	1.066
	625.00	0.855	0.779
	312.50	0.576	0.500
Standard Curve	156.25	0.297	0.221
	78.13	0.134	0.058
	0.00	0.076	0.000

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Precision	Intra-assay Precision (Precision within an assay)CV% \leq 8%																			
	Three samples of known concentration were tested twenty times on one precision.																			
	Inter-assay Precision (Precision between assays)CV% \leq 10%																			
Recovery	Three samples of known concentration were tested in forty separate assays for precision.																			
	Matrices listed below were spiked with certain level of recombinant Bcl2 and recovery was calculated by comparing the measured value to the expected amount of Bcl2.																			
	<table><tr><th>MATRIX</th><th colspan="3">RECOVERY RANGE</th></tr><tr><td>serum(n=5)</td><td colspan="3">82-94%</td></tr><tr><td>EDTA plasma(n=5)</td><td colspan="3">82-98%</td></tr><tr><td>Heparin plasma(n=5)</td><td colspan="3">80-97%</td></tr></table>				MATRIX	RECOVERY RANGE			serum(n=5)	82-94%			EDTA plasma(n=5)	82-98%			Heparin plasma(n=5)	80-97%		
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Linearity	The linearity of the kit was assayed by testing samples spiked with appropriate concentrations and their serial dilutions. The results were demonstrated by the percentage recovery to the expected.																			
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Note	For Research Use Only																			
Date Created																				
2024/07/03																				