

## BCL2/Bcl-2 Monoclonal Antibody

catalog number: **AN200169P**

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

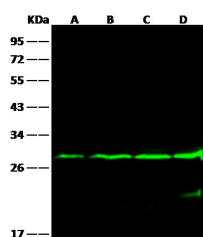
### Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Recombinant Human BCL2/Bcl-2 protein
<b>Host</b>	Mouse
<b>Isotype</b>	IgG1
<b>Clone</b>	A1021
<b>Purification</b>	Protein A
<b>Buffer</b>	0.2 µm filtered solution in PBS

### Applications Recommended Dilution

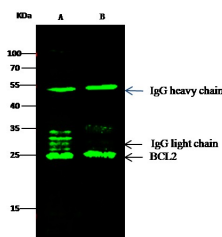
<b>WB</b>	1:500-1:2000
<b>IP</b>	1-4 µL/mg of lysate

### Data



Western Blot with BCL2 Monoclonal Antibody at dilution of 1:500. Lane A: HeLa Whole Cell Lysate, Lane B: Jurkat Whole Cell Lysate, Lane C: U937 Whole Cell Lysate, Lane D: HL-60 Whole Cell Lysate, Lysates/proteins at 30 µg per lane.

**Observed-MW:27 kDa**  
**Calculated-MW:26 kDa**



Immunoprecipitation analysis using 2 µL anti-BCL2 Monoclonal Antibody and 15 µL of 50 % Protein G agarose. Western blot was performed from the immunoprecipitate using BCL2 Monoclonal Antibody at a dilution of 1:500. Lane A:0.5 mg Jurkat Whole Cell Lysate, Lane B:0.5 mg

K562 Whole Cell Lysate  
**Observed-MW:27 kDa**  
**Calculated-MW:26 kDa**

### Preparation & Storage

<b>Storage</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Shipping</b>	Ice bag

### Background

Bcl-2 is a member of a family of proteins that regulates outer mitochondrial membrane permeability. Bcl-2 is an anti-apoptotic member that prevents release of cytochrome c from the mitochondria intermembrane space into the cytosol. Bcl-2 is present on the outer mitochondrial membrane and is also found on other membranes in some cell types. Natural Bcl-2 contains a carboxyl-terminal mitochondria targeting sequence. Recombinant Bcl-2, missing the mitochondrial targeting sequence, maintains its ability to neutralize pro-apoptotic Bcl-2 family members. Neutralization by Bcl-2 appears to be through binding the BH3 region of pro-apoptotic Bcl-2 family members. This activity does not require the mitochondrial targeting sequence.

### For Research Use Only