

BCL2/Bcl-2 Monoclonal Antibody

catalog number: **AN200169P**

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

Description

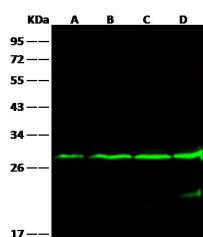
Reactivity	Human
Immunogen	Recombinant Human BCL2/Bcl-2 protein
Host	Mouse
Isotype	IgG1
Clone	6C10
Purification	Protein A
Buffer	0.2 µm filtered solution in PBS

Applications

Recommended Dilution

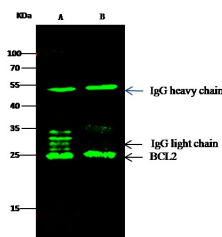
WB	1:500-1:2000
IP	1-4 µL/mg of lysate

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

Storage	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.
Shipping	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.

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