

Anti-BCL2 Antibody (9E869)

Product Details

Ig Type:	IgG1
Reactivity:	Human, Mouse
Conjugation:	Unconjugated
Clone:	9E869
Purification:	Protein G purified

Applications

Verified Activity:	<ol style="list-style-type: none">Western Blot<ul style="list-style-type: none">-Positive WB detected in: BCL2 antibody at 1:1000-Lane 1: Hela whole cell lysate-Lane 2: THP-1 whole cell lysate-Lane 3: NIH/3T3 whole cell lysate-Lane 4: MCF-7 whole cell lysate-Secondary: Goat polyclonal to Mouse IgG at 1/20000 dilution-Predicted band size: 26KDa-Observed band size: 26 KDa-Exposure time: 5minOverlay Peak curve showing Jurkat cells stained with TMAH-00107 (red line) at 1:100. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10⁶cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.
Application:	ELISA, WB, FCM

Properties

Purity:	>95%
Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human poptosis regulator Bcl-2 Protein (2-211AA)
Antigen Species:	Human
Gene ID:	596
Uniprot ID:	P10415
Synonyms:	Bcl-2;PPP1R50;B-cell CLL/lymphoma 2
Biology Area:	Cell Biology

Research Background

Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. Regulates cell death by controlling the mitochondrial membrane permeability. Appears to function in a feedback loop system with caspases. Inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1). Also acts as an inhibitor of autophagy: interacts with BECN1 and AMBRA1 during non-starvation conditions and inhibits their autophagy function. May attenuate inflammation by impairing NLRP1-inflammasome activation, hence CASP1 activation and IL1B release.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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