

bsm-10846M**[Primary Antibody]****Bcl-2 Mouse mAb****Bioss**
ANTIBODIES

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DATASHEET**Host:** Mouse**Clonality:** Monoclonal**GeneID:** 596**Target:** Bcl-2**Immunogen:** Recombinant human Bcl-2 protein: 1-211/239 (C-6x His-Tag).**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml**Storage:** Size : 50ul/100ul/200ul

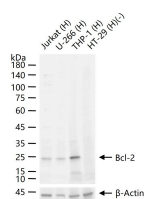
Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.

Size : 200ug (PBS only)

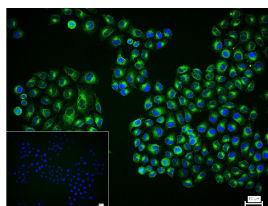
0.01M PBS

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

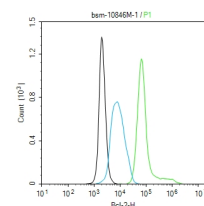
Background: The Bcl-2 gene was isolated at the chromosomal breakpoint of t(14;18)-bearing follicular B cell lymphomas(1,2). Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal (3,5). Bcl-2 appears to function in several subcellular locations yet lacks any known motifs that would confer insight into its mechanism of action (6,7). A more recently identified protein, designated Bax p21 (i.e., Bcl-associated X protein), has extensive amino acid homology with Bcl-2 and both homodimerizes and forms heterodimers with Bcl-2(8). Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line and Bax also counters the death repressor activity of Bcl-2(8).

Isotype: IgG**CloneNo.:** 1A5**SWISS:** P10415**Applications:** WB (1:500-2000)**Flow-Cyt** (1µg/Test)**ICC/IF** (1:50-200)**Reactivity:** Human**Predicted**
MW.: 26 kDa**Subcellular** Cell membrane ,Cytoplasm
Location: ,Nucleus**VALIDATION IMAGES**

25 µg total protein per lane of various lysates (see on figure) probed with Bcl-2 monoclonal antibody, unconjugated (bsm-10846M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



4% Paraformaldehyde-fixed HeLa (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Bcl-2) monoclonal Antibody, unconjugated (bsm-10846M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-60296G-BF488) at 37°C for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control.



The HeLa (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Mouse Anti-Bcl-2 antibody (bsm-10846M); 1 µg/10⁶ cells; Secondary Antibody (white blue): Goat anti-Mouse IgG-BF488(bs-60296G-BF488); 1 µg/test. Blank control (black): PBS. Acquisition of 20,000 events was performed.