

[Primary Antibody]

Bcl-2 Recombinant Rabbit mAb



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ANTIBODIES

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— DATASHEET

Host: Rabbit

Isotype: IgG

Clonality: Recombinant

CloneNo.: 3E3

GenelD: 596

SWISS: P10415

Target: Bcl-2

Immunogen: Recombinant human Bcl-2 protein: 1-211/239.

Purification: affinity purified by Protein A

Storage: 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).

Applications: WB (1:1000-5000)

IHC-P (1:200-500)

IHC-F (1:200-500)

IF (1:200-500)

Flow-Cyt (1μg/Test)

ICC/IF (1:50-200)

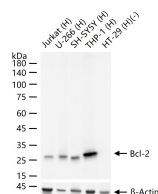
Reactivity: Human

Predicted
MW.: 26 kDa

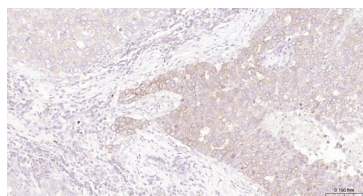
Observed
MW.: 26 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

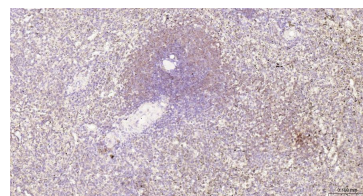
— VALIDATION IMAGES



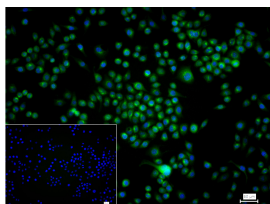
25 ug total protein per lane of various lysates (see on figure) probed with Bcl-2 monoclonal antibody, unconjugated (bsm-10846R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



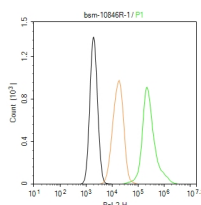
Paraformaldehyde-fixed, paraffin embedded Human Breast Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Bcl-2 Monoclonal Antibody, Unconjugated (bsm-10846R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded
Human spleen; Antigen retrieval by boiling in
sodium citrate buffer (pH6.0) for 15 min;
Antibody incubation with Bcl-2 Monoclonal
Antibody, Unconjugated (bsm-10846R) at 1:200
overnight at 4°C, followed by conjugation to the
bs-0295G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed Hela (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (Bcl-2) monoclonal Antibody, unconjugated (bsm-10846R) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Rabbit IgG antibody (green, bs-60295G-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.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-Bcl-2 antibody (bsm-10846R): 1 µg/10⁶ cells; Isotype Control (orange): Rabbit IgG (bs-02925P). Blank control

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

(black): PBS. Acquisition of 20,000 events was performed.