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## Bcl-2 Mouse mAb

Catalog Number: bsm-33047M

Target Protein: Bcl-2

Concentration: 1mg/ml

Form: Size : 50ul/100ul/200ul

Liquid

Size : 200ug (PBS only)

Lyophilized

Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.

Host: Mouse

Clonality: Monoclonal

Clone No.: 8B5

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), ICC/IF (1:100)

Reactivity: Human, Rat (predicted:Mouse, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig, Horse)

Predicted MW: 26 kDa

Entrez Gene: 596

Swiss Prot: P10415

Source: KLH conjugated synthetic peptide derived from human Bcl-2: 51-150/239.

Purification: affinity purified by Protein G

Storage: Size : 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Size : 200ug (PBS only)

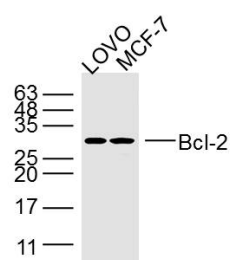
0.01M PBS

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

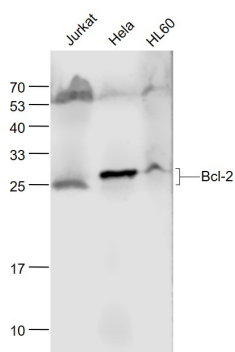
**Background:** The Bcl-2 gene was isolated at the chromosomal breakpoint of t(14;18)-bearing follicular B cell lymphomas(1,2).Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal (3,5).Bcl-2 appears 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).

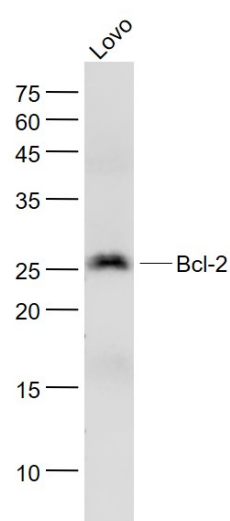
## VALIDATION IMAGES



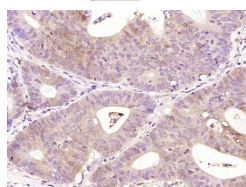
Sample: LOVO Cell (Human) Lysate at 40 ug MCF-7 Cell (Human) Lysate at 40 ug Primary: Anti- Bcl-2 (bsm-33047M) at 1/2 000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 28 kD



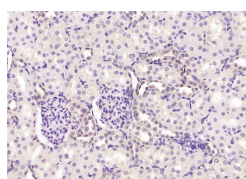
Sample: Jurkat(Human) Cell Lysate at 30 ug HeLa(Human) Cell Lysate at 30 ug HL60(Human) Cell Lysate at 30 ug Primary: Anti- Bcl-2 (bsm-33047M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 26 kD



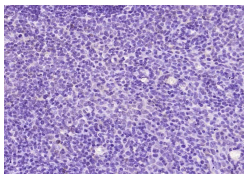
Sample: LOVO(Human) Cell Lysate at 30 ug Primary: Anti- Bcl-2 (bsm-33047M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 26 kD Observed band size: 26 kD



Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Bcl-2) Polyclonal Antibody, Unconjugated (bsm-33047M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Bcl-2) Monoclonal Antibody, Unconjugated (bsm-33047M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Bcl-2) Monoclonal Antibody, Unconjugated (bsm-33047M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.

## PRODUCT SPECIFIC PUBLICATIONS

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**[IF=18.027]** Guangmin Li. et al. Chiral FA Conjugated CdTe/CdS Quantum Dots for Selective Cancer Ablation. ACS NANO.

2022;16(8):12991–13001 WB ; Human . 35969155

**[IF=6.208]** Anqi Yang. et al. FZD7, Regulated by Non-CpG Methylation, Plays an Important Role in Immature Porcine Sertoli Cell

Proliferation. INT J MOL SCI. 2023 Jan;24(7):6179 WB ; Pig . 37047150

**[IF=5.076]** Chao Zhang. et al. Affibody Modified G-quadruplex DNA Micelles Incorporating Polymeric 5-Fluorodeoxyuridine for Targeted

Delivery of Curcumin to Enhance Synergetic Therapy of HER2 Positive Gastric Cancer. Nanomaterials-Basel. 2022 Jan;12(4):696 WB ;

Human . 10.3390/nano12040696

**[IF=4.501]** Jingwei Song. et al. Swine MicroRNAs ssc-miR-221-3p and ssc-miR-222 Restrict the Cross-Species Infection of Avian Influenza

Virus. J Virol. 2020 Nov;94(23):e01700-20 WB ; Pig . 32907982

**[IF=4.556]** Chunyue Wang. et al. Isoforsythiaside Attenuates Alzheimer' s Disease via Regulating Mitochondrial Function Through the

PI3K/AKT Pathway. Int J Mol Sci. 2020 Jan;21(16):5687 WB ; Mouse, Human . 32784451