

bsm-33411M**[Primary Antibody]****Bcl-2 Mouse mAb****Bioss**
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— DATASHEET —**Host:** Mouse**Isotype:** IgG1**Clonality:** Monoclonal**CloneNo.:** 3F12**GeneID:** 596**SWISS:** P10415**Target:** Bcl-2**Immunogen:** KLH conjugated synthetic peptide derived from human Bcl-2: 51-150/239.**Purification:** affinity purified by Protein G**Concentration:** 1mg/ml

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.

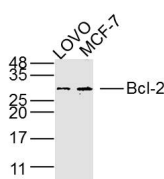
Background: The Bcl-2 gene was isolated at the chromosomal breakpoint of t(14;18)-bearing follicular B cell lymphomas(1,2).Bcl-2 blocks cell death following a variety of stimuli and confers a death-sparing effect to certain hematopoietic cell lines following growth factor withdrawal (3,5).Bcl-2 appears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

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

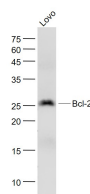
Reactivity: Human, Rat
(predicted: Mouse, Rabbit, Pig, Sheep, Cow, Dog, GuineaPig, Horse)

Predicted
MW.: 26 kDa

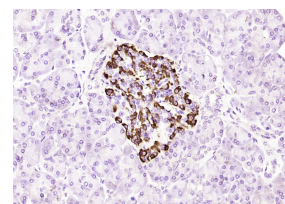
Subcellular Cell membrane ,Cytoplasm
Location: ,Nucleus

— VALIDATION IMAGES —

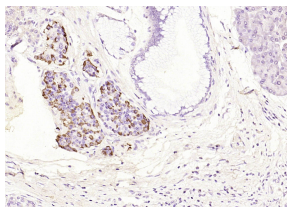
Sample: LOVO Cell (Human) Lysate at 40 ug
MCF-7 Cell (Human) Lysate at 40 ug Primary:
Anti-Bcl-2 (bsm-33411M) at 1/2 000 dilution
Secondary: IRDye800CW Goat Anti-Mouse IgG at
1/20000 dilution Predicted band size: 26 kD
Observed band size: 28 kD



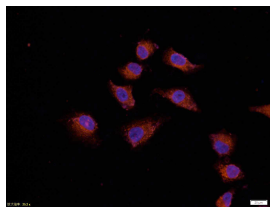
Sample: LOVO(Human) Cell Lysate at 30 ug
Primary: Anti- Bcl-2 (bsm-33411M) at 1/1000
dilution Secondary: IRDye800CW Goat Anti-
Mouse IgG at 1/20000 dilution Predicted band
size: 26 kD Observed band size: 26 kD



Paraformaldehyde-fixed, paraffin embedded
(human pancreatic cancer); 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-33411M) at 1:2000
overnight at 4°C, followed by operating
according to SP Kit(Mouse)(sp-0024)
instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); 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-33411M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Tissue/cell: HeLa cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Bcl-2) monoclonal Antibody, Unconjugated (bs-33411M) 1:100, 90 minutes at 37°C; followed by a CY3 conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=15.8]** Yanan Wang. et al. Self-Sulhydrated, Nitro-Fixed Albumin Nanoparticles as a Potent Therapeutic Agent for the Treatment of Acute Liver Injury. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 39041805
- **[IF=8.2]** Yun-shan Wei. et al. Regulation of the colon-targeted release rate of lactoferrin by constructing hydrophobic ethyl cellulose/pectin composite nanofibrous carrier and its effect on anti-colon cancer activity. INT J BIOL MACROMOL. 2024 Mar;261:129466 WB ;Human. 38242414
- **[IF=5.572]** Miao Song. et al. Mitophagy alleviates AIF-mediated spleen apoptosis induced by AICl3 through Parkin stabilization in mice. FOOD CHEM TOXICOL. 2023 Jun;176:113762 WB ;Mouse. 37028746
- **[IF=6.384]** Xiaowei Qin. et al. Neddylation inactivation affects cell cycle and apoptosis in sheep follicular granulosa cells. J CELL PHYSIOL. 2022 May 16 WB ;Sheep. 35578798
- **[IF=6.025]** Xuliang Zhang. et al. PINK1/Parkin-mediated mitophagy mitigates T-2 toxin-induced nephrotoxicity. FOOD CHEM TOXICOL. 2022 Jun;164:113078 WB ;Mouse. 35489469