

## Bcl-2 Rabbit pAb

Catalog Number: bs-20351R

Target Protein: Bcl-2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), Flow-Cyt (1µg/Test)

Reactivity: Human, Rat (predicted:Mouse, Pig, Sheep, Cow)

Predicted MW: 26 kDa

Entrez Gene: 596

Swiss Prot: P10415

Source: KLH conjugated synthetic peptide derived from human Bcl-2: 151-239/239.

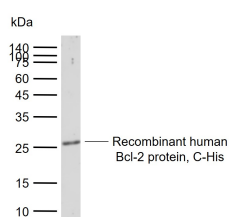
Purification: affinity purified by Protein A

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

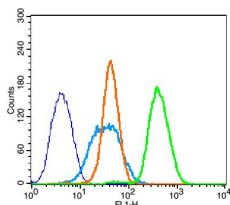
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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).

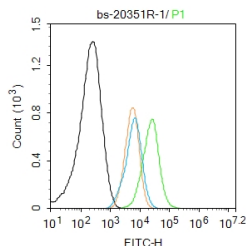
### VALIDATION IMAGES



Sample: Lane 1: Recombinant human Bcl-2 protein, C-His Primary: Anti-Bcl-2 (bs-20351R) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kDa Observed band size: 26 kDa



Blank control(blue):K562 (fixed with 2% paraformaldehyde for 10 min at 37°C). Primary Antibody:Rabbit Anti-Bcl-2 antibody (bs-20351R,Green); Dilution: 0.2µg in 100 µL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange) ,used under the same conditions; Secondary Antibody: Goat anti-rabbit IgG-FITC(white blue), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.



Blank control:HL-60. Primary Antibody (green line): Rabbit Anti-Bcl-2 antibody (bs-20351R) Dilution: 1µg /10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 0.1%PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=9.8]** Bohan Chen. et al. Inhalation of ammonia promotes apoptosis and induces autophagy in hepatocytes via Bax/BCL-2 and m-TOR/ATG5/LC-3bII axes. SCI TOTAL ENVIRON. 2024 Feb;912:169036 WB ; Mouse . 38061639

**[IF=6.3]** Jing Zhang. et al. Dietary supplementation of sodium butyrate enhances lactation performance by promoting nutrient digestion and mammary gland development in dairy cows. ANIM NUTR. 2023 Sep;: WB ; Bovine . 10.1016/j.aninu.2023.08.008

**[IF=4.546]** Song Lixia. et al. Traditional Chinese Medicine Fufang-Zhenzhu-Tiaozhi capsule prevents renal injury in diabetic minipigs with coronary heart disease. CHIN MED-UK. 2022 Dec;17(1):1-14 WB ; Human,Pig . 36042482

**[IF=5.455]** Yang, Jiawei. et al. Integrating network pharmacological and experimental models to investigate the therapeutic effects of baicalein in glaucoma. Chin Med-Uk. 2021 Dec;16(1):1-17 IF ; Rat . 34823561

**[IF=3.654]** Yang Liu. et al. Isochlorogenic Acid C Restrains Erk/JNK/NF-κB Signaling to Alleviate Inflammatory Response and Promote Cell Apoptosis. J FOOD BIOCHEM. 2023;2023:5547108 WB ; Human . 10.1155/2023/5547108