

bs-15533R**[Primary Antibody]****Bioss**
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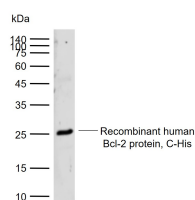
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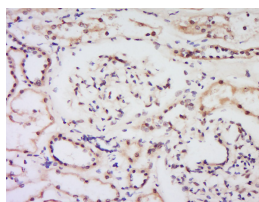
400-901-9800

Bcl-2 alpha Rabbit pAb**— DATASHEET —**

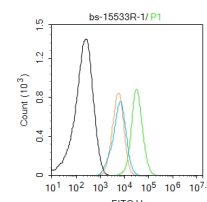
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1ug/Test) Reactivity: Human (predicted: Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 26 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
Clonality: Polyclonal		
GeneID: 596	SWISS: P10415	
Target: Bcl-2 alpha		
Immunogen: KLH conjugated synthetic peptide derived from human Bcl-2 alpha: 51-150/239.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
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 alpha (bs-15533R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 26 kDa Observed band size: 26 kDa



Tissue/cell: Human kidney tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-Bcl-2 Polyclonal Antibody, Unconjugated(bs-15533R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control:HL-60. Primary Antibody (green line): Rabbit Anti-Bcl-2 alpha antibody (bs-15533R) Dilution: 1μg /10⁶ 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.

— SELECTED CITATIONS —

- **[IF=3.063]** Mengmeng Yu. et al. Taurine attenuates gossypol-induced apoptosis of C2C12 mouse myoblasts via the

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

GPR87-AMPK/AKT signaling. Amino Acids. 2020 Sep;52(9):1285-1298 WB ;Mouse. 32918616

- **[IF=1.8]** Yilin Li. et al.BRD9 promotes the malignant phenotype of thyroid cancer by activating the MAPK/ERK pathway.anti-cancer drugs.2025 Feb 4. IHC ;Human. 3990358