

FITC Conjugated Anti-Bcl-2 Antibody [JF104-8] HA720210F



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| Product Type: | Recombinant Rabbit monoclonal IgG, primary antibodies |
| Species reactivity: | Human, Mouse |
| Applications: | FC |
| Molecular Wt: | Predicted band size: 26 kDa |
| Clone number: | JF104-8 |

Description: Bcl-2 is one among many key regulators of apoptosis, which are essential for proper development, tissue homeostasis, and protection against foreign pathogens. Human Bcl-2 is an anti-apoptotic, membrane-associated oncoprotein that can promote cell survival through protein-protein interactions with other Bcl-2 related family members, such as the death suppressors Bcl-xL, Mcl-1, Bcl-w, and A1 or the death agonists Bax, Bak, Bik, Bad, and Bid. The anti-apoptotic function of Bcl-2 can also be regulated through proteolytic processing and phospho-rylation. Bcl-2 may promote cell survival by interfering with the activation of the cytochrome c/Apaf-1 pathway through stabilization of the mitochondrial membrane. Mutations in the Bcl-2 gene can contribute to cancers where normal physiological cell death mechanisms are compromised by deregulation of the anti-apoptotic influence of Bcl-2.

Conjugate: FITC-conjugated

Immunogen: Recombinant protein within human Bcl-2 aa 1-230.

Positive control: Mouse granulocytes, mouse lymphocytes.

Subcellular location: Mitochondrion outer membrane, Nucleus membrane, Endoplasmic reticulum membrane, Cytoplasm.

Database links: SwissProt: P10415 Human | P10417 Mouse

Recommended Dilutions:
FC 5 μ l per million cells in 100 μ l staining volume or 5 μ l per 100 μ l of whole blood.

Storage Buffer: Supplied in phosphate-buffered solution, pH 7.2, containing 0.2% ProClean 950 and BSA.

Storage Instruction: Store at 2°C to 8°C. Avoid repeated freeze / thaw cycles.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

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Images

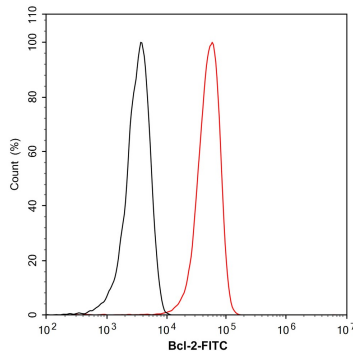


Fig1: Flow cytometric analysis of mouse granulocytes labeling Bcl-2.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (HA720210F, 1 μ g/mL) (red). Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

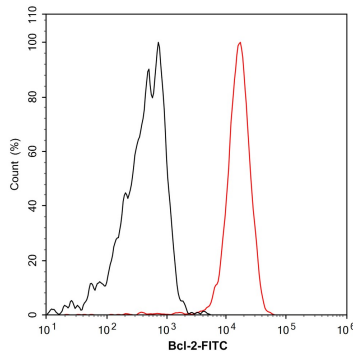


Fig2: Flow cytometric analysis of mouse lymphocytes labeling Bcl-2.

Cells were washed twice with cold PBS and resuspend. Then stained with the primary antibody (HA720210F, 1 μ g/mL) (red). Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Cao LH et al. Morphine, a potential antagonist of cisplatin cytotoxicity, inhibits cisplatin-induced apoptosis and suppression of tumor growth in nasopharyngeal carcinoma xenografts. *Sci Rep* 6:18706 (2016).
2. Chen B et al. Inhibition of miR-29c promotes proliferation, and inhibits apoptosis and differentiation in P19 embryonic carcinoma cells. *Mol Med Rep* 13:2527-35 (2016).

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