
Anti-Mouse Bcl-3 Purified

Catalog Number: 14-6903

Also Known As: Bcl3

RUO: For Research Use Only

Product Information

Contents: Anti-Mouse Bcl-3 Purified


 Catalog Number: 14-6903

Clone: Ham150-3.5


Concentration: 0.5 mg/ml


Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C.

 Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The Ham150-3.5 antibody reacts with mouse and human Bcl-3. Bcl-3 is a member of the IκB multigene family, which modulates the activities of NF-κB/Rel transcription factors. Bcl-3 is reported to increase transcription from NF-κB responsible promoters and to dissociate p50-p52 homodimers from DNA. Bcl-3 is phosphorylated influencing its interaction with both p50 and p52. Bcl-3 was cloned from a chromosomal breakpoint in the t(14;19) translocation, which is found in some cases of chronic B-cell lymphocytic leukemias. Bcl-3 is required for T-cell-dependent immunity. Bcl-3-deficient mice are defective in antigen-specific antibody production and germinal-center formation and fail to resist infection. Bcl-3 may also contribute to B-cell survival, which may explain its oncogenic potential when expressed at high levels as result of chromosomal translocation. Bcl-3 is detected in different tissues, especially the spleen and other lymphoid organs. The gene was shown to be induced by mitogenic stimuli in B and T cells and by cytokines on human erythroid precursors. It is shown that Bcl-3 expression is able to block apoptosis in IL-4-deprived cells.

Applications Reported

The Ham150-3.5 antibody has been reported for use in immunoblotting (WB).

Applications Tested

The Ham150-3.5 antibody has been tested by immunoblotting (3 μg/ml) of ConA-activated mouse spleen cells and human Jurkat cell line. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

- Rebollo A, Dumoutier L, Renaud JC, Zaballos A, Ayllon V, Martinez-A C. 2000. Bcl-3 expression promotes cell survival following interleukin-4 deprivation and is controlled by AP1 and AP1-like transcription factors. *Mol Cell Biol.* 20(10):3407-16.
- Mitchell TC, Teague TK, Hildeman DA, Bender J, Rees WA, Kedl RM, Swanson B, Kappler JW, Marrack P. 2002. Stronger correlation of bcl-3 than bcl-2, bcl-xL, costimulation, or antioxidants with adjuvant-induced T cell survival. *Ann N Y Acad Sci.* 975:114-31.
- Mitchell TC, Hildeman D, Kedl RM, Teague TK, Schaefer BC, White J, Zhu Y, Kappler J, Marrack P. 2001. Immunological adjuvants promote activated T cell survival via induction of Bcl-3. *Nat Immunol.* 2(5):397-402.

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