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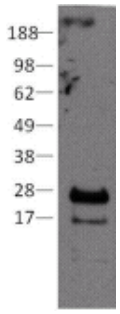
Anti-Mouse Bim Purified

Catalog Number: 14-5834
Also Known As:Bcl2-like 11, BCL2L11, Bcl2 interacting protein
RUO: For Research Use Only



Lysates prepared from mouse splenocytes under reducing conditions were resolved by SDS-PAGE then immunoblotted with 2 µg/ml of Anti-Mouse Bim Purified. Bands were visualized using Anti-Armenian Hamster IgG HRP.

Product Information

Contents: Anti-Mouse Bim Purified
REF Catalog Number: 14-5834
Clone: Ham151-149
Concentration: 0.5 mg/ml
Host/Isotype: Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The monoclonal antibody Ham151-149 recognizes mouse Bim, a pro-apoptotic protein belonging to the Bcl-2 family. Bim initiates apoptosis through interactions with other Bcl-2 proteins via the BH3 domain. Transgenic animals suggest a role for Bim in regulating negative selection in the thymus. Additionally, Bim and IL-7 levels are critical for the survival and development of B lymphocytes; Bim expression is upregulated during development. This is consistent with studies of mice lacking Bim, which show an increase in the number of mature B and myeloid cells. Expression of Bim is widespread; hematopoietic, epithelial, germ line and neuronal cells express this protein. Several splice variants have been identified and shown to have varying levels of functionality. Finally, Bim can be phosphorylated resulting in increased apoptotic activities.

Applications Reported

This Ham151-149 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This Ham151-149 antibody has been tested by immunoblot analysis of mouse splenocytes. This can be used at approximately 1-5 µg/ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Jorgensen TN, McKee A, Wang M, Kushnir E, White J, Refaeli Y, Kappler JW, Marrack P. Bim and Bcl-2 mutually affect the expression of the other in T cells. J Immunol. 2007 Sep 15;179(6):3417-24. (Ham151-149 PubMed)

Oliver PM, Wang M, Zhu Y, White J, Kappler J, Marrack P. Loss of Bim allows precursor B cell survival but not precursor B cell differentiation in the absence of interleukin 7. J Exp Med. 2004 Nov 1;200(9):1179-87. (Ham151-149, WB, IF PubMed)

O'Reilly LA, Cullen L, Visvader J, Lindeman GJ, Print C, Bath ML, Huang DC, Strasser A. The proapoptotic BH3-only protein bim is expressed in hematopoietic, epithelial, neuronal, and germ cells. Am J Pathol. 2000 Aug;157(2):449-61.

Related Products

14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)