

Human Bcl-w Antibody

Monoclonal Mouse IgG₁ Clone # 90316 Catalog Number: MAB824

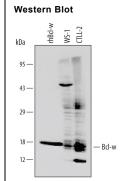
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human Bcl-w in Western blots.	
Source	Monoclonal Mouse IgG ₁ Clone # 90316	
Purification	Protein A or G purified from hybridoma culture supernatant	
Immunogen	E. coli-derived recombinant human Bcl-w Met1-Thr172 Accession # Q92843	
Formulation	Supplied as a 0.2 µm filtered solution in PBS with Sodium Azide. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human BcI-w by Western Blot. Western blot shows lysates of WS-1 human fetal skin fibroblast cell line and CTLL-2 mouse cytotoxic T cell line. The PVDF membrane was probed with 1 µg/mL Human BcI-w Monoclonal Antibody (Catalog # MAB824) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). For additional reference, Recombinant Human BcI-w Minus C-Terminus (Catalog # 824-BW) (1 ng) was included. A specific band for BcI-w was detected at approximately 18 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 9 with 25 mM Tris and 0.15 M NaCl.

PREPARATION AND STORAGE

Shipping The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

- 12 months from date of receipt, -20 to -70 °C, as supplied.
- 1 month, 2 to 8 °C under sterile conditions after opening
- 6 months, -20 to -70 °C under sterile conditions after opening

BACKGROUND

Bcl-w is a member of the Bcl-2 family of proteins that regulates outer mitochondrial membrane permeability (1, 2). Bcl-w is an anti-apoptotic member that prevents release of cytochrome c from the mitochondria intermembrane space into the cytosol. Bcl-w is required for normal sperm maturation (3, 4, 5). Natural Bcl-w contains a carboxyl-terminal mitochondria targeting sequence. Recombinant Bcl-w missing the mitochondrial targeting sequence maintains its ability to neutralize pro-apoptotic Bcl-2 family members. Neutralization by Bcl-w appears to be through binding the BH3 region of pro-apoptotic Bcl-2 family members. This activity does not require the mitochondrial targeting sequence.

References:

- 1. Gross, A. et al. (1999) Genes and Develop. 13:1899.
- 2. Kroemer, G. (1997) Nature Med. 3:614.
- 3. Ross, J.A., et al. (1998) Nat. Genet. 18:251.
- 4. Print, C.G. et al. (1998) Proc. Natl. Acad. Sci. USA 95:12323.
- 5. Yan, W. et al. (2000) Mol. Endocrin. 14:682.

Rev. 2/7/2018 Page 1 of 1

