Product information

Monoclonal anti-human BID antibody (clone 4D3)

Mouse IgG_1, κ

Cat. No. IBABI0923

Immunogen: Recombinant human BID (1-195aa) purified from *E. coli*

NCBI Accession No.: NP_001187

Isotype: Mouse IgG_1 heavy chain and κ light chain

Clone: Anti-human BID mAb, clone 4D3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human BID protein.

Description: BID is a pro-apoptotic Bcl-2 protein containing only the BH3 domain. In response to apoptotic signaling, BID interacts with another Bcl-2 family protein, Bax, leading to the insertion of Bax into the outer mitochondrial membrane. Bax is believed to induce the opening of the mitochondrial voltage-dependent anion channel. This results in the release of cytochrome c and other pro-apoptotic factors from the mitochondria leading to activation of caspases.

Concentration: 1 mg/ml

Form: Liquid. In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol

Storage: Can be stored at +4C. For long term storage, aliquot and store at -20C. Avoid repeated freezing and thawing cycles.

Usage: The antibody has been tested by ELISA, Western blot analysis, ICC/IF and Flow cytometry to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

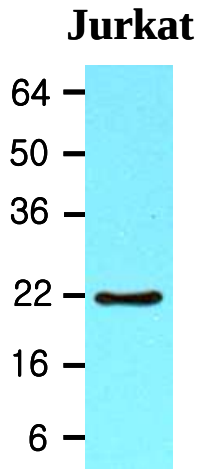
Application: ELISA, WB, ICC/IF, Flow cytometry

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com

Product information

Western blot analysis

The lysates of Jurkat (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human BID antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

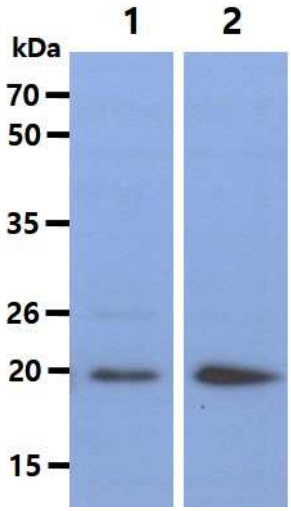


Western blot analysis

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human BID antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

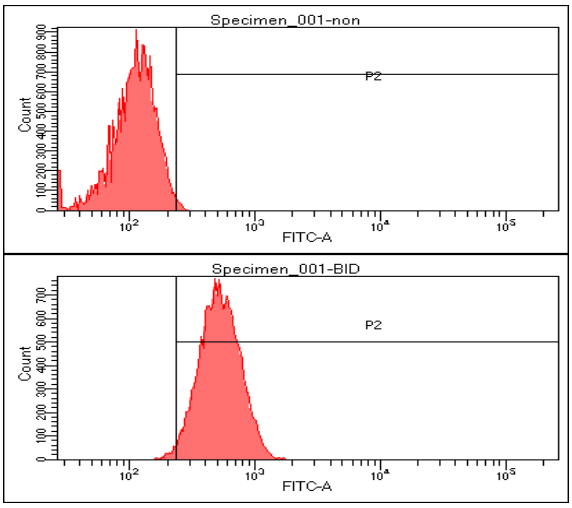
Lane 1.: HeLa cell lysate

Lane 2.: A549 cell lysate



Flow cytometry

Flow cytometry analysis of BID in A549 cell line, staining at 2-5ug for 1x10^{6}cells (red line). The secondary antibody used goat anti-mouse IgG Alexa fluor 488 conjugate.

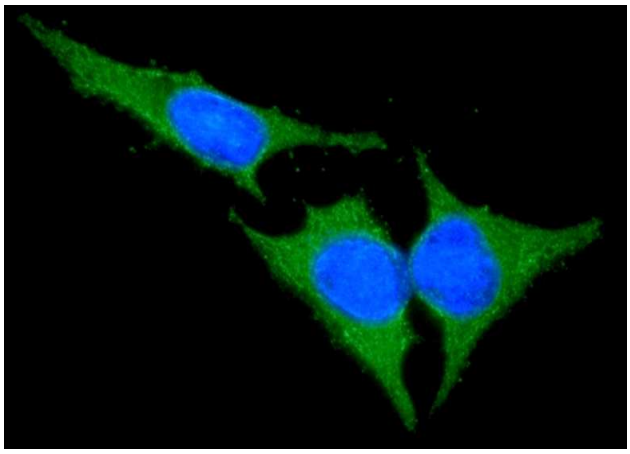


Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com

Product information

ICC/IF analysis

ICC/IF analysis of BID in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human BID antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



General references Zha J., *et al.* (2000) *Science.* **290:** 1761-1765.

Luo X., *et al*. (1998) *Cell.* **94:** 481-490.

Li H., *et al*. (1998) *Cell.* **94:** 491-501.

Manufactured for:
Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com