

## BID monoclonal antibody

Catalog: MB67031

Host: Mouse

Reactivity: Human

### BackGround:

Bid is a pro-apoptotic "BH3 domain-only" member of the Bcl-2 family originally discovered to interact with both the anti-apoptotic family member Bcl-2 and the pro-apoptotic protein Bax. Bid is normally localized in the cytosolic fraction of cells as an inactive precursor and is cleaved at Asp60 by caspase-8 during Fas signaling, leading to translocation of the carboxyl terminal p15 fragment (tBid) to the mitochondrial outer membrane. Translocation of Bid is associated with release of cytochrome c from the mitochondria, leading to complex formation with Apaf-1 and caspase-9 and resulting in caspase-9 activation. Thus, Bid relays an apoptotic signal from the cell surface to the mitochondria triggering caspase activation.

### Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 22 kDa

### Swiss-Prot:

P55957

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/ICC (1/10 - 1/50)

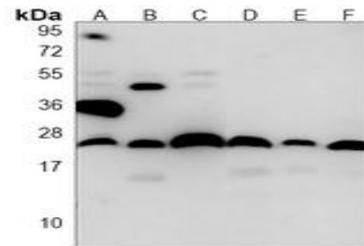
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

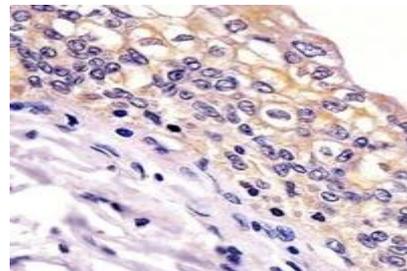
### Specificity:

Recognizes endogenous levels of BID protein.

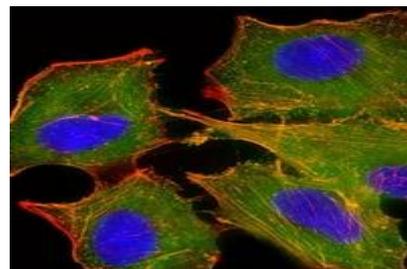
### DATA:



Western blot analysis of BID expression in HeLa (A), A431 (B), MDAMB231 (C), Raji (D), Jurkat (E), THP1 (F) whole cell lysates.



Immunohistochemical analysis of BID staining in human bladder formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of BID staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151



## PRODUCT DATA SHEET

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secondary antibody (green) in PBS at room temperature in the dark.  
Phalloidin - AF555 was used to stain the cytoplasm (red). DAPI was used to stain the cell nuclei (blue).

**Note:**

For research use only, not for use in diagnostic procedure.

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Add: 1660 South Highway 100, Suite 500 St. Louis Park,  
MN 55416, USA.

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Tel: 6123263284

Fax: 6122933841

**Bioworld technology, co. Ltd.**

Add: No 9, weidi road Qixia District Nanjing, 210046,  
P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151