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Store at -20C  
#8762

## Bid (3C5) Mouse mAb

**For Research Use Only. Not for Use in Diagnostic Procedures.**

<b>Applications:</b> W, IP	<b>Reactivity:</b> H	<b>Sensitivity:</b> Endogenous	<b>MW (kDa):</b> 22	<b>Source/Isotype:</b> Mouse IgG1	<b>UniProt ID:</b> #P55957	<b>Entrez-Gene Id:</b> 637
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### Product Usage Information

#### Application

Western Blotting  
Immunoprecipitation

#### Dilution

1:1000  
1:50

### Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

### Specificity/Sensitivity

Bid (3C5) Mouse mAb recognizes endogenous levels of total Bid protein. This antibody does not cross-react with endogenous levels of tBid during apoptosis.

### Source / Purification

Monoclonal antibody is produced by immunizing animals with a recombinant protein specific to the full-length sequence of human Bid protein.

### 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 (1). 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 (2-4). 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 (5-7). Thus, Bid relays an apoptotic signal from the cell surface to the mitochondria triggering caspase activation (8,9).

### Background References

1. Wang, K. et al. (1996) *Genes Dev* 10, 2859-69.
2. Luo, X. et al. (1998) *Cell* 94, 481-90.
3. Li, H. et al. (1998) *Cell* 94, 491-501.
4. Gross, A. et al. (1999) *J Biol Chem* 274, 1156-63.
5. Li, P. et al. (1997) *Cell* 91, 479-89.
6. Zou, H. et al. (1999) *J Biol Chem* 274, 11549-56.
7. Saleh, A. et al. (1999) *J Biol Chem* 274, 17941-5.
8. Yin, X.M. et al. (1999) *Nature* 400, 886-91.
9. Korsmeyer, S.J. et al. (2000) *Cell Death Differ* 7, 1166-73.

### Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

### Western Blot Buffer

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

### Applications Key

**W:** Western Blotting **IP:** Immunoprecipitation

### Cross-Reactivity Key

**H:** Human

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