

# BID Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1549a

## Product Information

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<b>Application</b>	WB, IHC, FC, ICC, E
<b>Primary Accession</b>	<a href="#">P55957</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	3C5
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	21995
<b>Description</b>	This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release. Multiple alternatively spliced transcript variants have been found, but the full-length nature of some variants has not been defined. Tissue specificity: Isoform 2 and isoform 3 are expressed in spleen, bone marrow, cerebral and cerebellar cortex. Isoform 2 is expressed in spleen, pancreas and placenta (at protein level). Isoform 3 is expressed in lung, pancreas and spleen (at protein level). Isoform 4 is expressed in lung and pancreas (at protein level)
<b>Immunogen</b>	Purified recombinant fragment of human BID expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Gene ID</b>	637
<b>Other Names</b>	BH3-interacting domain death agonist, p22 BID, BID, BH3-interacting domain death agonist p15, p15 BID, BH3-interacting domain death agonist p13, p13 BID, BH3-interacting domain death agonist p11, p11 BID, BID
<b>Dilution</b>	WB~~1/500 - 1/2000 IHC~~1/500 - 1/2000 FC~~1/200 - 1/400 ICC~~N/A E~~1/10000
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	BID Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	BID
<b>Function</b>	Induces caspases and apoptosis (PubMed: <a href="#">14583606</a> ). Counters the protective effect of BCL2 (By similarity).
<b>Cellular Location</b>	Cytoplasm. Mitochondrion membrane. Mitochondrion outer membrane. Note=When uncleaved, it is predominantly cytoplasmic. [BH3-interacting domain death agonist p13]: Mitochondrion membrane {ECO:0000250 UniProtKB:P70444}. Note=Associated with the mitochondrial membrane. {ECO:0000250 UniProtKB:P70444} [Isoform 3]: Cytoplasm
<b>Tissue Location</b>	[Isoform 2]: Expressed in spleen, pancreas and placenta (at protein level). [Isoform 4]: Expressed in lung and pancreas (at protein level).

## References

1. Photochem Photobiol. 2008 Jan-Feb;84(1):250-7. 2. Cell Signal. 2007 Dec;19(12):2468-78.

## Images

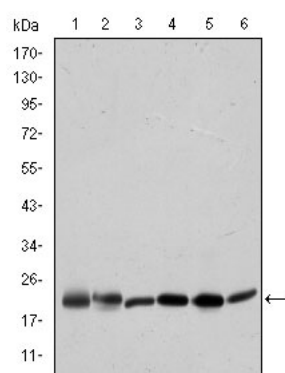


Figure 1: Western blot analysis using BID mouse mAb against Hela (1), A431 (2), Jurkat (3), A549 (4), HepG2 (5), and HEK293 (6) cell lysate.

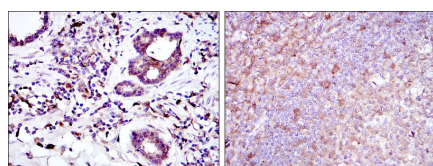


Figure 2: Immunohistochemical analysis of paraffin-embedded prostate tissues (left) and tonsil tissues (right) using BID mouse mAb with DAB staining.

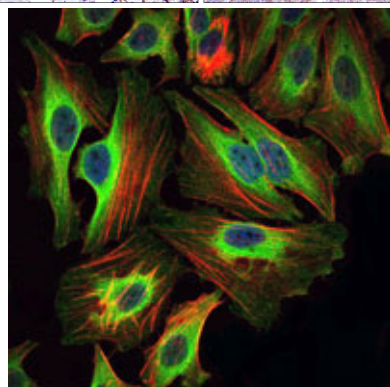
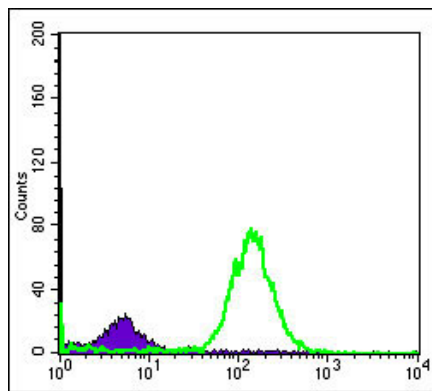


Figure 3: Immunofluorescence analysis of Hela cells using BID mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Figure 4: Flow cytometric analysis of Hela cells using BID mouse mAb (green) and negative control (purple).



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.