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**Product Name: BID Mouse Monoclonal Antibody****Catalog #: AMM80978**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ICC,ELISA,FC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	22kDa

**Antigen Information**

<b>Gene Name</b>	BID
<b>Alternative Names</b>	FP497; MGC15319; MGC42355; BID
<b>Gene ID</b>	637.0
<b>SwissProt ID</b>	P55957
<b>Immunogen</b>	Purified recombinant full length protein of human BID expressed in E. Coli

**Background**

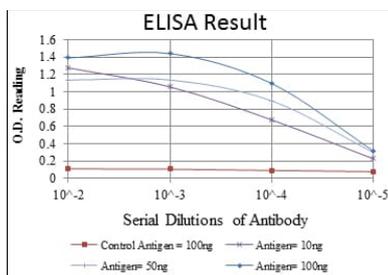
This gene encodes a death agonist that heterodimerizes with either agonist BAX or antagonist BCL2. The encoded protein is a member of the BCL-2 family of cell death regulators. It is a mediator of mitochondrial damage induced by caspase-8 (CASP8); CASP8 cleaves this encoded protein, and the COOH-terminal 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)

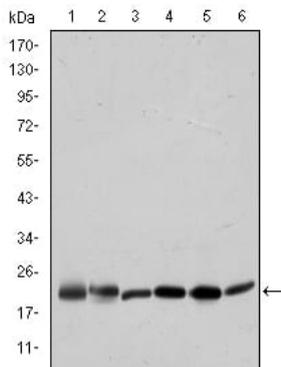
## Research Area

Apoptosis

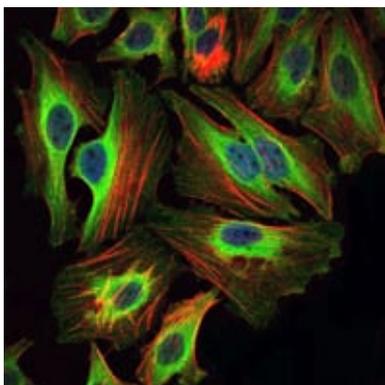
## Image Data



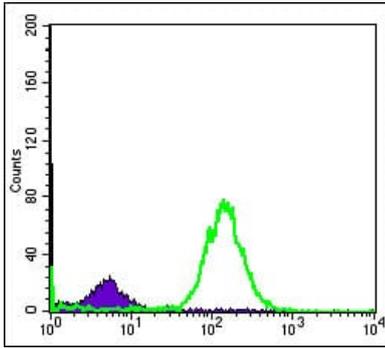
Red: Control Antigen (100ng); Purple: Antigen (10ng); Green: Antigen (50ng); Blue: Antigen (100ng);



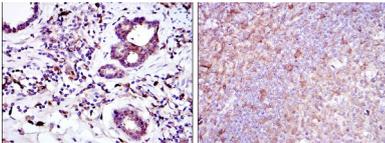
Western blot analysis using BID mouse mAb against HeLa (1), A431 (2), Jurkat (3), A549 (4), HepG2 (5), and HEK293 (6) cell lysate.



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.



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



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