

32-6050: Mouse Anti Human BH3 Interacting Domain Death Agonist (Clone:P4D3AT.)

Clonality :	Monoclonal
Clone Name :	P4D3AT.
Application :	ELISA,WB
Gene :	BID
Gene ID :	637
Uniprot ID :	P55957
Format :	Purified
Alternative Name :	BH3-interacting domain death agonist,p22 BID,BID,FP497,MGC15319,MGC42355.
Isotype :	Mouse IgG1 heavy chain and ? light chain.
Immunogen Information :	Anti-human BID mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human BID amino acids 1-195 purified from E. coli.

Description

BID accession number NP_001187 is a pro-apoptotic Bcl-2 protein having only the BH3 domain. In reaction to apoptotic signaling, BID interacts with another Bcl-2 family of cell death regulators, called Bax, they form a heterodimer resulting to the insertion of Bax into the outer mitochondrial membrane. Bax induces the opening of the mitochondrial voltage-dependent anion channel which leads to the release of cytochrome c and other pro-apoptotic factors from the mitochondria resulting in activation of caspases. BID is a mediator of mitochondrial damage induced by caspase-8 (CASP8). CASP8 cleaves BID, and the COOH-terminal part translocates to mitochondria where it triggers cytochrome c release. The major proteolytic product p15 BID releases cytochrome c. Isoform 1, Isoform 2 and Isoform 4 induce ice-like proteases and apoptosis while Isoform 3 does not induce apoptosis.

Product Info

Amount :	20 µg
Purification :	BID antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

BID antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:1,000 ~ 2,000. Recommended starting dilution is 1:1,000.