[KD Validated] Anti-BID Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

Catalog # M020701

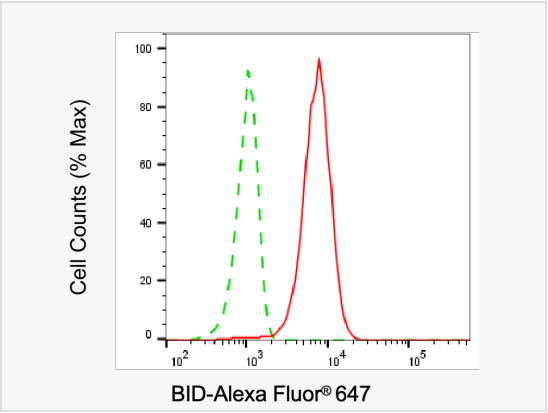
Product Information

Application	WB, FC, IF (Cell)/ICC
Reactivity	Human
Dilution	WB 1:1,000~1:5,000; FC 1:200~1:2,000; IF 1:100~1:1,000
Host	Mouse
Clonality	Monoclonal
Clone No.	43B30Q23
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human BID
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 12 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	[KD Validated] Anti-BID Mouse mAb [43B30Q23] is for research use only and not for use in diagnostic or therapeutic procedures.

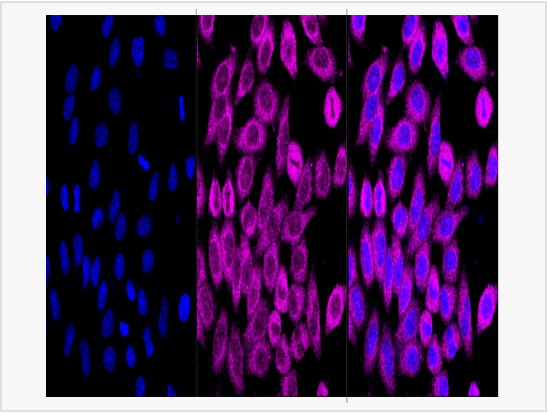
Protein Information

Synonyms	BID; BH3 Interacting Domain Death Agonist; BH3-Interacting Domain Death Agonist; P22 BID; Human BID Coding Sequence; Apoptic Death Agonist; Desmocollin Type 4; FP497.
Calculated MW	Calculated MW: 22 kDa; Observed MW: 18 kDa
Uniprot ID	P55957
Gene ID	637
Background	The major proteolytic product p15 BID allows the release of cytochrome c (By similarity). Isoform 1, isoform 2 and isoform 4 induce ICE-like proteases and apoptosis. Isoform 3 does not induce apoptosis. Counters the protective effect of Bcl-2.

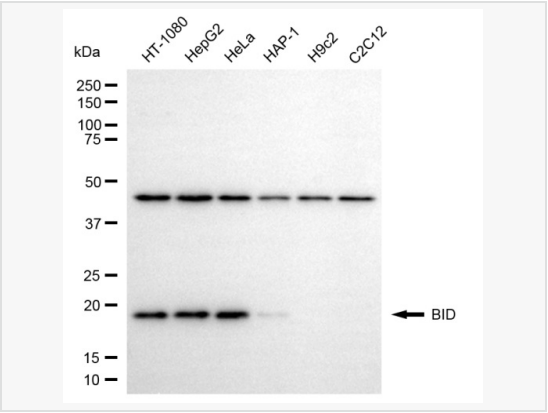
Validation Images



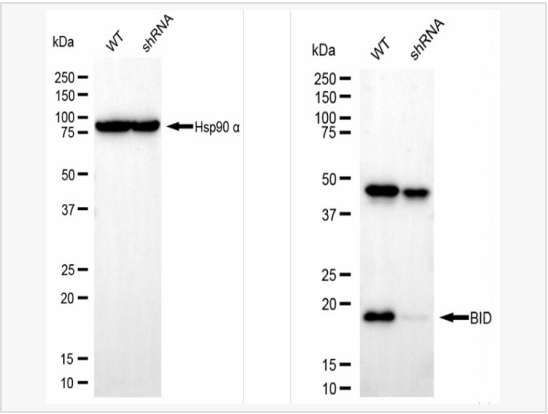
Flow cytometric analysis of BID expression in HepG2 cells using BID antibody (M020701, 1:2,000). Green, isotype control; red, BID.



Immunocytochemical staining of HepG2 cells with BID antibody (M020701, 1:1,000) . Nuclei were stained blue with DAPI; BID was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20 µm.



Western blotting analysis using BID antibody (M020701). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with BID antibody (M020701, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.



Western blotting analysis using BID antibody (M020701). BID expression in wild-type (WT) and BID shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with BID antibody (M020701, 1:5,000) and HRP-conjugated goat anti-mouse secondary antibody (1:20,000) respectively. Image was developed using ECL Substrate Kit.