

Anti-BID Antibody-FITC (9U548)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	FITC
Clone:	9U548
Purification:	Protein A

Applications

Verified Activity:	Flow cytometric analysis of BID expression on Jurkat cells. The cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), and then stained with FITC Mouse anti-BID. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.
Application:	FCM
Recommended	10 µl/Test, 0.1 mg/ml

Properties

Stability & Storage:	Store at 2°C-8°C for 12 months, do not freeze. Keep away from direct sunlight. Sodium azide is toxic to cells and should be disposed of properly. Flush with large volumes of water during disposal.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human BID protein (TMPY-02027)
Antigen Species:	Human
Synonyms:	AI875481;BH3 interacting domain death agonist;AU022477;2700049M22Rik

Research Background

The BH3 interacting domain death agonist (BID) is a pro-apoptotic member of the Bcl-2 protein family, which contains only the BH3 domain, and is required for its interaction with the Bcl-2 family proteins and for its pro-death activity. BID is important to cell death mediated by these proteases and thus is the sentinel to protease-mediated death signals. Recent studies further indicate that Bid may be more than just a killer molecule, it could be also involved in the maintenance of genomic stability by engaging at mitosis checkpoint. BID is an integrating key regulator of the intrinsic death pathway that amplifies caspase-dependent and caspase-independent execution of neuronal apoptosis. Therefore pharmacological inhibition of BID provides a promising therapeutic strategy in neurological diseases where programmed cell death is prominent. BID is activated by Caspase 8 in response to Fas/TNF-R1 death receptor activation. Activated BID is translocated to mitochondria and induces cytochrome c release, which in turn activates downstream caspases. BID action has been proposed to involve the mitochondrial re-location of its truncated form, tBid, to facilitate the release of apoptogenic proteins like cytochrome c.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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