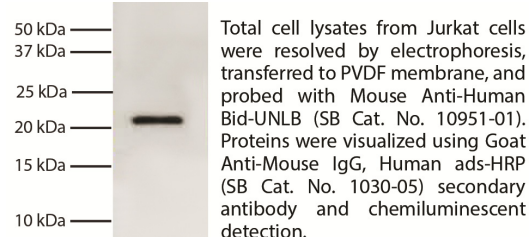




Mouse Anti-Human Bid

Cat. No.	Format	Size
10951-01	Purified (UNLB)	0.1 mg



Overview

Clone	SB50a
Isotype	Mouse (BALB/c) IgG _{2b} K
Immunogen	Recombinant Bid
Specificity	Human Bid
Alternate Name(s)	Apoptotic death agonist, BH3 domain-only protein, BH3 interacting domain death agonist

Description

Members of the Bcl-2 family are pro- or antiapoptotic proteins that process one or several of the Bcl-2 homology (BH) domains. Bid is a proapoptotic, BH3-domain-only member or BH3-only protein (BOP) of the Bcl-2 family. Bid is localized in the cytosolic fraction of living cells as an inactive precursor. Activation of Bid occurs upon its cleavage by caspase-8 in the Fas and TNF- α apoptotic signaling pathways. Recent studies have suggested that Bid is also cleaved and activated by granzyme B, calpain and lysosomal extracts. Cleaved Bid translocates to mitochondria where it induces the release of cytochrome c from the intermembrane space of the mitochondria. The release of cytochrome c initiates apoptosis by activating downstream caspases through binding to Apaf-1. Bid has also been shown to interact with Bax, another Bcl-2 family protein, to trigger a conformational change in Bax leading to the dimerization and integration of Bax into the outer mitochondrial membrane and activating the release of cytochrome c.

Applications

ELISA – Quality tested
 WB – Quality tested
 IP¹

Working Dilutions

ELISA	Purified (UNLB) antibody	$\leq 2 \mu\text{g/mL}$
Immunoblotting	Purified (UNLB) antibody	$\leq 3 \mu\text{g/mL}$
Other Applications	Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.	

Handling and Storage

- The purified (UNLB) antibody is supplied as 0.1 mg of purified immunoglobulin in 0.2 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- Reagent is stable for the period shown on the label if stored as directed.

References

- SouthernBiotech unpublished data

For Research Use Only. Not for Diagnostic or Therapeutic Use.

TB10951

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