OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM09052PU-S

BID (1-195) Mouse Monoclonal Antibody [Clone ID: 4D3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4D3
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	**ELISA.** **Western blot** (1/1,000-1/2,000). **Flow Cytometry.** **Immunofluorescence/Immunocytochemistry.**
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human BID (aa 1-195) purified from E. coli
Specificity:	The antibody recognizes Human BID. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	BH3 interacting domain death agonist
Database Link:	Entrez Gene 637 Human P55957

View online »

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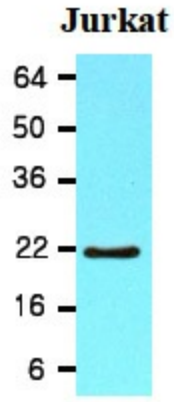
Background: BID is a pro-apoptotic Bcl-2 protein containing only the BH3 domain. In response to apoptotic signaling, BID interacts with another Bcl-2 family protein, Bax, leading to the insertion of Bax into the outer mitochondrial membrane. Bax is believed to induce the opening of the mitochondrial voltage-dependent anion channel. This results in the release of cytochrome c and other pro-apoptotic factors from the mitochondria leading to activation of caspases.

Synonyms: p22 BID

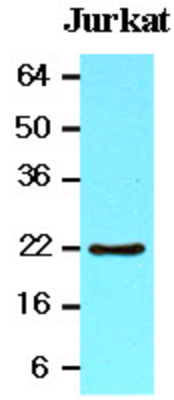
Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Apoptosis, Natural killer cell mediated cytotoxicity, p53 signaling pathway, Pathways in cancer, Viral myocarditis

Product images:



The lysates of Jurkat (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human BID (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system



Western blot analysis: The lysates of Jurkat (20 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human BID (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRPand an ECL detection system.

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