

Datasheet: VMA00816

Description:	MOUSE ANTI BID
Specificity:	BID
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	CD01/1H1
Isotype:	IgG1
Quantity:	100 µl

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Western Blotting	▪			1/1000

The PrecisionAb label is reserved for antibodies that meet the defined performance criteria within Bio-Rad's ongoing antibody validation programme. Click [here](#) to learn how we validate our PrecisionAb range. Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Further optimization may be required dependent on sample type.

Target Species	Human
Product Form	Purified IgG - Liquid
Preparation	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-195 of human BID

**External Database
Links**

UniProt:

[P55957](#)

[Related reagents](#)

Entrez Gene:

[637](#)

BID

[Related reagents](#)

Fusion Partners

Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line

Specificity

Mouse anti BID antibody recognizes BH3-interacting domain death agonist.

BID is a member of the BCL2 family, and plays pro-apoptotic roles within the intrinsic apoptotic pathway. Cleavage of BID by caspase-8 leads to permeabilization of the mitochondrial membrane, a process that initiates the caspase cascade. Non-apoptotic roles of BID include modulation of inflammatory signaling in astrocytes and modulation of the immunological profile in microglia and macrophages ([Kinsella et al. 2018](#)). Because of its apoptotic role, the expression level of BID in cancer cells is critical to their death or survival. Silencing BID makes cancer cells resistant to apoptosis, and overexpression can sensitize some cancer cell lines to apoptosis induced by anticancer agents ([Orzechowska et al. 2015](#)). Mimicry of BID has also been identified as a mechanism by which viruses can evade host cells ([Choi et al. 2012](#)).

Western Blotting

Mouse anti BID antibody detects a band of approximately 20 kDa in HEK293 cell lysates

Storage

Store undiluted at -20°C, avoiding repeated freeze thaw cycles

Guarantee

12 months from date of despatch

Acknowledgements

PrecisionAb is a trademark of Bio-Rad Laboratories

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
<https://www.bio-rad-antibodies.com/SDS/VMA00816>
Antibody (10040)

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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