

Datasheet: VMA00816

**BATCH NUMBER 100004380**

<b>Description:</b>	MOUSE ANTI BID
<b>Specificity:</b>	BID
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD01/1H1
<b>Isotype:</b>	IgG1
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - Liquid
<b>Preparation</b>	Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<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](#)

**North & South America**   Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M375084:201216'

Printed on 25 Mar 2023

