

## Datasheet: VMA00919

<b>Description:</b>	MOUSE ANTI OTUB1
<b>Specificity:</b>	OTUB1
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB01/3A9
<b>Isotype:</b>	IgG2b
<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
Immunoprecipitation	▪			
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 1-271 of human OTUB1

**External Database  
Links**

**UniProt:**

[Q96FW1](#)

[Related reagents](#)

**Entrez Gene:**

[55611](#)

OTUB1

[Related reagents](#)

**Synonyms**

OTB1, OTU1

**Fusion Partners**

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

**Specificity**

**Mouse anti OTUB1 antibody** recognizes ubiquitin thioesterase OTUB1, also known as otubain-1 and hOTU1.

OTUB1 is a deubiquitinating enzyme that specifically cleaves Lys-48-linked polyubiquitin chains, controls the stability of multiple proteins and regulates a range of cellular processes. Notably, OTUB1 stabilizes transcription factors including FOXM1 and ER-alpha, and the E2-conjugating enzyme UBE2E1 ([Pasupala et al. 2018](#)). High OTUB1 expression has been identified in multiple cancer types, and OTUB1 overexpression has been found to promote metastasis and negatively affect prognosis and quality of life of patients with cancer ([Ni et al. 2017](#)). OTUB1 plays a role in the cellular response to DNA damage, and is suggested to protect the brain from secondary damage following intracranial hemorrhage ([Xie et al. 2016](#)).

**Western Blotting**

Mouse anti OTUB1 detects a band of approximately 35 kDa in MCF-7 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/VMA00919>  
Antibody (10040)

**Regulatory**

For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

**North & South  
America** Tel: +1 800 265 7376  
Fax: +1 919 878 3751

**Worldwide** Tel: +44 (0)1865 852 700  
Fax: +44 (0)1865 852 739

**Europe** Tel: +49 (0) 89 8090 95 21  
Fax: +49 (0) 89 8090 95 50

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

'M429670:240410'

**Printed on 10 Apr 2024**