

## Datasheet: VMA00801

<b>Description:</b>	MOUSE ANTI WWOX
<b>Specificity:</b>	WWOX
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	CD03/3H9
<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 1-414 of human WWOX

**External Database  
Links**

**UniProt:**

[Q9NZC7](#)

[Related reagents](#)

**Entrez Gene:**

[51741](#)

WVOX

[Related reagents](#)

**Synonyms**

FOR, WOX1

**Fusion Partners**

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

**Specificity**

**Mouse anti WVOX antibody** recognizes WW domain-containing oxidoreductase, also known as FOR, SDR41C1, and WOX1.

WVOX is an adaptor protein with significant roles in physiology and homeostasis. WVOX contributes to repair of double strand breaks in DNA by non-homologous end-joining (NHEJ) ([Schrock et al. 2017](#)). Deregulation of WVOX can lead to several severe pathological states. In particular, WVOX is relevant to neurodegeneration. Homozygous null mutation of WVOX leads to a range of neural diseases, metabolic disorders and death in newborn humans. The gene is also often downregulated in Alzheimer's disease ([Liu et al. 2018](#)). WVOX functions as a tumor suppressor, loss of WVOX has been found in various tumors including breast, colon, esophageal, gastric, lung, ovarian, and prostate cancers ([Tanna and Ageilan 2018](#)). WVOX is also involved with resistance of cancer cells to radiation and cisplatin. Deficiency of WVOX has been associated with shorter overall survival times in cancer patients treated with radiation ([Schrock et al. 2017](#)).

**Western Blotting**

Mouse anti WVOX antibody detects a band of approximately 41 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/VMA00801>  
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 \(MCA928\)](#)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>	To find a
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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)

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