

## Datasheet: VMA00960

<b>Description:</b>	MOUSE ANTI SIRT2
<b>Specificity:</b>	SIRT2
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB01/1D10
<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
Western Blotting	■			1/500 - 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>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Rat</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<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 1-389 of human SIRT2
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q8IXJ6</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">22933</a>   SIRT2   <a href="#">Related reagents</a></p>
<b>Synonyms</b>	SIR2L, SIR2L2
<b>Fusion Partners</b>	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
<b>Specificity</b>	<p><b>Mouse anti SIRT2 antibody</b> recognizes NAD-dependent protein deacetylase sirtuin-2, also known as regulatory protein SIR2 homolog 2. SIRT2 is a NAD<sup>+</sup>-dependent deacetylase which belongs to the sirtuin family and plays a wide range of roles in the nervous system, regulation of mitosis, genome integrity, cell differentiation, infection, inflammation, and in many other processes (<a href="#">Wang et al. 2019</a>). SIRT2 also has diverse roles in metabolism. Consistent with its multiple roles, SIRT2 is expressed in a wide range of tissues, particularly tissues which are metabolically active such as the heart, brain, and adipose tissue (<a href="#">Tang et al. 2017</a>). SIRT2 has been shown to have tumor-promoting activity. Inhibition of SIRT2 has been found to promote ubiquitination and degradation of c-Myc and has broad anticancer effects across a range of human cancer cell lines (<a href="#">Jing et al. 2016</a>).</p>
<b>Western Blotting</b>	Mouse anti SIRT2 detects a band of approximately 39 and 44 kDa in HEK293 cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
<b>Guarantee</b>	12 months from date of despatch
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories
<b>Health And Safety Information</b>	<p>Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00960">https://www.bio-rad-antibodies.com/SDS/VMA00960</a></p> <p>Antibody (10040)</p>
<b>Regulatory</b>	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)

<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>
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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://bio-rad-antibodies.com/datasheets)

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