

## Datasheet: VMA00986

<b>Description:</b>	MOUSE ANTI HUMAN DUSP3
<b>Specificity:</b>	DUSP3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	E02/5H5
<b>Isotype:</b>	IgG2a
<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	▪			2.5 µg
Western Blotting	▪			1/2000

**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>	Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> )
<b>Approx. Protein Concentrations</b>	IgG concentration 1.0 mg/ml
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant protein, aa 1-185 of human DUSP3

<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P51452</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">1845</a> DUSP3 <a href="#">Related reagents</a>
<b>Synonyms</b>	VHR
<b>Specificity</b>	<p><b>Mouse anti Human DUSP3 antibody</b> recognizes dual-specificity phosphatase 3, also known as dual specificity protein phosphatase VHR or vaccinia H1-related phosphatase.</p> <p>DUSP3 is a member of the DUSP family of proteins. Members of this family dephosphorylate the threonine/serine and tyrosine residues of their substrates, such as MAPKs ERK and JNK, STAT5 and ErbB2 (<a href="#">Cerignoli et al. 2006</a>, <a href="#">Monteiro et al. 2019</a>). DUSP3 expression has a role in the development of a number of different cancer types, including cancer of the cervix (<a href="#">Henkens et al. 2008</a>) and prostate (<a href="#">Arnoldussen et al. 2008</a>). Decreased levels of DUSP3 lead to increased phosphorylation of the insulin receptor (IR) and higher activation of the downstream signaling pathway; suggesting DUSP3 plays a role in obesity, insulin resistance, non-alcoholic fatty liver disease (NAFLD) and liver damage (<a href="#">Jaques et al. 2021</a>).</p>
<b>Western Blotting</b>	Mouse anti Human DUSP3 antibody detects a band of 20 kDa in U-87 MG cell lysates
<b>Storage</b>	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
<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>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00986">https://www.bio-rad-antibodies.com/SDS/VMA00986</a> 10040
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

<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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