

## Datasheet: VMA00920

<b>Description:</b>	MOUSE ANTI VPS26A
<b>Specificity:</b>	VPS26A
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	AB03/1G5
<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	■			1/1000

**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 1-327 of human VPS26A
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">O75436</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">9559</a>    VPS26A    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	VPS26
<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 VPS26A antibody</b> recognizes vacuolar protein sorting-associated protein 26A, also known as VPS26.</p> <p>VPS26A interacts with VPS35 and VPS29 and to form the retromer complex, involved in recycling proteins via retrograde transport from endosomes to the trans-Golgi network (<a href="#">Lucas et al. 2016</a>). In mammals, the ortholog of VPS26A is VPS26B, and the exact role of each within the retromer complex is yet to be eluded. Correct retromer function is important for neuronal health, and defects appear to contribute to pathogenesis of Parkinson's Disease and Alzheimer's Disease (<a href="#">Reitz 2017</a>). VPS26A also appears to be involved with regulating the stemness of embryonic stem cells during neurogenesis (<a href="#">Choi et al. 2018</a>).</p>
<b>Western Blotting</b>	Mouse anti VPS26A detects a band of approximately 37 kDa in K562 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>	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00920">https://www.bio-rad-antibodies.com/SDS/VMA00920</a> Antibody (10040)
<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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