

Datasheet: VMA00903

**BATCH NUMBER 100005042**

<b>Description:</b>	MOUSE ANTI RPS5
<b>Specificity:</b>	RPS5
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	rCD02-2C12
<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	▪			1/2000

**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.

### Target Species

Human

### Species Cross Reactivity

Reacts with: Mouse, Rat

**N.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.

### Product Form

Purified IgG - liquid

### Preparation

Recombinant IgG prepared by affinity chromatography on Protein A from cell culture supernatant

### Buffer Solution

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 of amino acids 1-204 of human RPS5
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">P46782</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">6193</a>    RPS5    <a href="#">Related reagents</a></p>
<b>Specificity</b>	<p><b>Mouse anti RPS5 antibody</b> recognizes 40S ribosomal protein S5 (RPS5).</p> <p>Ribosomes are complexes that translate mRNA into protein, and consist of a small 40S subunit and a large 60S subunit (<a href="#">Ameismeier et al. 2018</a>). RPS5 is a component of the 40S subunit of ribosomes (<a href="#">Visweswarajah and Hinnebusch 2017</a>). RPS5 has been found to regulate P13K/Akt, NF-kappaB and MAP kinase (MAPK) pathways in osteoclastogenesis, and has been suggested as a potential target for treatment of osteoporosis (<a href="#">Chen et al. 2017</a>). Many mammalian ribosomal proteins, including RPS5, appear to also have non-mitochondrial roles. RPS5 has been found to enter the nucleus and nucleoli in mouse cells (<a href="#">Matragkou et al. 2009</a>).</p>
<b>Western Blotting</b>	Mouse anti RPS5 antibody detects a band of approximately 23 kDa in Jurkat cell lysates
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
<b>Guarantee</b>	As supplied, 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/VMA00903">https://www.bio-rad-antibodies.com/SDS/VMA00903</a> 10040
<b>Regulatory</b>	For research purposes only

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