

Datasheet: VMA00903

BATCH NUMBER 64623287

Description:	MOUSE ANTI RPS5
Specificity:	RPS5
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	rCD02-2C12
Isotype:	IgG2b
Quantity:	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.

	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

Source

CHO-S

Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> --derived recombinant protein of amino acids 1-204 of human RPS5
External Database Links	<p>UniProt: P46782 Related reagents</p> <p>Entrez Gene: 6193 RPS5 Related reagents</p>
Specificity	<p>Mouse anti RPS5 antibody 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 (Ameismeier et al. 2018). RPS5 is a component of the 40S subunit of ribosomes (Visweswaraiah and Hinnebusch 2017). 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 (Chen et al. 2017). 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 (Matragkou et al. 2009).</p>
Western Blotting	Mouse anti RPS5 antibody detects a band of approximately 23 kDa in Jurkat cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	As supplied, 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/VMA00903 10040
Regulatory	For research purposes only

Related Products

Recommended Negative Controls

[MOUSE IgG2b NEGATIVE CONTROL \(MCA691\)](#)

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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

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