

Datasheet: VMA00955

Description:	MOUSE ANTI RPL14
Specificity:	RPL14
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB02/1A6
Isotype:	IgG1
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

Mouse monoclonal antibody affinity purified on Protein G from tissue culture supernatant

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	<i>E. coli</i> -derived recombinant protein of amino acids 1-215 of human RPL14
External Database Links	<p>UniProt: P50914 Related reagents</p> <p>Entrez Gene: 9045 RPL14 Related reagents</p>
Fusion Partners	Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line
Specificity	Mouse anti RPL14 antibody recognizes 60S ribosomal protein L14, also known as CAG-ISL 7. RPL14 encodes a component of the large ribosomal subunit (Huang et al. 2006). The small and large ribosomal subunits play different roles within protein translation. The small subunit decodes the genetic message, while the large subunit catalyzes the formation of peptide bonds (Gregory et al. 2019). Alteration of RPL14 has been identified in esophageal squamous cell carcinomas and has been suggested as an early marker of this cancer type (Huang et al. 2006). More generally, genetic abnormalities that affect ribosome biogenesis result in a range of clinical phenotypes, such as Diamond-Blackfan anemia. Acquired mutations in ribosome function have been broadly linked to human cancers (Narla and Ebert 2010).
Western Blotting	Mouse anti RPL14 detects a band of approximately 25 kDa in HeLa cell lysates
Storage	Store undiluted at -20°C, avoiding repeated freeze thaw cycles
Guarantee	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/VMA00955 Antibody (10040)
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (H/L) (STAR207...) [HRP](#)

Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

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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