

Datasheet: VMA00955

BATCH NUMBER 100005857

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

0.09% Sodium Azide

Stabilisers

Approx. Protein Concentrations IgG concentration 1.0 mg/ml

Immunogen *E. coli*-derived recombinant protein of amino acids 1-215 of human RPL14

External Database Links

UniProt:
[P50914](#) [Related reagents](#)

Entrez Gene:
[9045](#) RPL14 [Related reagents](#)

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](#)

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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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