

Datasheet: VMA00938

**BATCH NUMBER 100005655**

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | MOUSE ANTI MRPL28      |
| <b>Specificity:</b>  | MRPL28                 |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Monoclonal |
| <b>Clone:</b>        | AB04/3B11              |
| <b>Isotype:</b>      | IgG1                   |
| <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>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 1-256 of human MRPL28         |

External Database  
Links

UniProt:

[Q13084](#)

[Related reagents](#)

Entrez Gene:

[10573](#)

MRPL28

[Related reagents](#)

|                               |  |
|-------------------------------|--|
| Synonyms                      | MAAT1  |
| Fusion Partners               | Spleen cells from immunised BALB/c mice were fused with cells of the mouse SP2/0 myeloma cell line   |
| Specificity                   | <p><b>Mouse anti MRPL28 antibody</b> recognizes 39S ribosomal protein L28, mitochondrial, also known as L28mt, MRP-L28, and melanoma antigen p15.</p> <p>MRPL28 is a nuclearly encoded, mitochondrial protein required for correct function of the mitochondrial ribosome, and for synthesis of mitochondrially encoded proteins. Knockdown of MRPL28 in pancreatic cancer cells has been shown to decrease mitochondrial activity and inhibit cell growth (<a href="#">Chen et al. 2009</a>). Hypermethylation of the MRPL28 gene locus has been suggested as a risk factor for asthma development (<a href="#">Gunawardhana et al. 2014</a>). It has also been suggested that differences in the MRPL28 gene may play a role in obesity by altering fat oxidization (<a href="#">Lin et al. 2013</a>).</p> |
| Western Blotting              | Mouse anti MRPL28 detects a band of approximately 28 kDa in HEK293 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: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00938">https://www.bio-rad-antibodies.com/SDS/VMA00938</a><br>Antibody (10040)   |
| Regulatory                    | For research purposes only   |

## Related Products

### Recommended Secondary Antibodies

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

North & South America Tel: +1 800 265 7376

Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

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)

'M387346:210623'

Printed on 13 Aug 2023

