

Datasheet: VMA00938

Description:	MOUSE ANTI MRPL28
Specificity:	MRPL28
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	AB04/3B11
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	▪			1/1000

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.

Target Species	Human
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 1-256 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

Mouse anti MRPL28 antibody recognizes 39S ribosomal protein L28, mitochondrial, also known as L28mt, MRP-L28, and melanoma antigen p15.

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 ([Chen et al. 2009](#)). Hypermethylation of the MRPL28 gene locus has been suggested as a risk factor for asthma development ([Gunawardhana et al. 2014](#)). It has also been suggested that differences in the MRPL28 gene may play a role in obesity by altering fat oxidization ([Lin et al. 2013](#)).

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:
<https://www.bio-rad-antibodies.com/SDS/VMA00938>
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 \(MCA928\)](#)

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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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