

Datasheet: VMA00931

BATCH NUMBER 100005652

Description:	MOUSE ANTI ARF1
Specificity:	ARF1
Format:	Purified
Product Type:	PrecisionAb Monoclonal
Clone:	E01/8D1
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	▪			1/1000

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
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 1-181 of human ARF1

External Database Links

UniProt:

[P84077](#) [Related reagents](#)

Entrez Gene:

[375](#) ARF1 [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 ARF1 antibody** recognizes ADP-ribosylation factor 1.

ARF1 is a small GTPase which cycles between an inactive, GDP-bound state and an active, GTP-bound state. When active, ARF1 can tightly bind effectors and this binding results in biological function ([Beck et al. 2008](#)). ARF1 is involved with membrane traffic at the Golgi, including vesicle budding and podocyte function ([Rafiq et al. 2017](#)). Roles of ARF1 have also been identified in connectivity of mitochondrial networks and mitophagy ([Ackema et al. 2014](#)). Overexpression of ARF1 stimulates tumor progression and invasion, and therefore, blocking its activation has been suggested as a way to inhibit cancer progression ([Prieto-Dominguez et al. 2019](#)), and also to enhance the effectiveness of chemotherapy ([Xu et al. 2017](#)).

Western Blotting Mouse anti ARF1 detects a band of approximately 19 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/VMA00931>
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

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: 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

To find a

batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

'M387342:210623'

Printed on 10 Apr 2024

© 2024 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)