

Datasheet: VMA00255

Description:	MOUSE ANTI ARNTL
Specificity:	ARNTL
Format:	Purified
Product Type:	PrecisionAb™ Monoclonal
Clone:	OT13G9
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

PrecisionAb antibodies have been extensively [validated for the western blot application](#). The antibody has been validated at the suggested dilution. 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 dependant on sample type.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse, Rat N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Mouse monoclonal antibody purified by affinity chromatography from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 1% Bovine Serum Albumin 50% Glycerol
Immunogen	Full length recombinant human ARNTL produced in HEK293T cells
External Database Links	UniProt: O00327 Related reagents Entrez Gene: 406 ARNTL Related reagents

Synonyms BHLHE5, BMAL1, MOP3, PASD3

Specificity **Mouse anti Human ARNTL antibody** recognizes the aryl hydrocarbon receptor nuclear translocator-like protein 1, also known as ARNT-like protein 1, brain and muscle, PAS domain-containing protein 3, aryl hydrocarbon receptor nuclear translocator-like protein 1, bHLH-PAS protein JAP3, basic-helix-loop-helix-PAS orphan MOP3, basic-helix-loop-helix-PAS protein MOP3, brain and muscle ARNT-like 1, class E basic helix-loop-helix protein 5, member of PAS protein 3 and member of PAS superfamily 3.

Encoded by ARNTL gene, the aryl hydrocarbon receptor nuclear translocator-like protein 1 is a basic helix-loop-helix protein that forms a heterodimer with CLOCK. This complex binds an E-box upstream of the PER1 gene, activating ARNTL and possibly other circadian rhythm-associated genes. Three transcript variants encoding two different isoforms have been found for ARNTL (provided by RefSeq, Jul 2008).

Mouse anti Human ARNTL antibody detects a band of 78 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

Western Blotting Anti ARTNL detects a band of approximately 78 kDa in NIH/3T3 cell lysates

Instructions For Use Please refer to the [PrecisionAb western blotting protocol](#). For additional information on secondary antibody dilution and exposure time see product web page.

Storage Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

Guarantee As supplied, 12 months from date of despatch.

Acknowledgements PrecisionAb™ is a trademark of Bio-Rad Laboratories.

Health And Safety Information Material Safety Datasheet documentation #10048 available at: Antibody (10048): <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

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 \(MCA928\)](#)

North & South Tel: +1 800 265 7376

America 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

'M336211:181214'

Printed on 28 Mar 2019