

Datasheet: VMA00441KT

| | |
|----------------------|-----------------------------------|
| Description: | MMAB ANTIBODY WITH CONTROL LYSATE |
| Specificity: | MMAB |
| Format: | Purified |
| Product Type: | PrecisionAb™ Monoclonal |
| Clone: | OTI5G1 |
| Isotype: | IgG2a |
| Quantity: | 2 Westerns |

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 |
| Product Form | Purified IgG - liquid |
| Preparation | 20µl Mouse monoclonal antibody purified by affinity chromatography from ascites |
| Buffer Solution | Phosphate buffered saline |
| Preservative | 0.09% Sodium Azide (NaN ₃) |
| Stabilisers | 1% Bovine Serum Albumin 50% Glycerol |
| Immunogen | Full length recombinant human MMAB (NP_443077) produced in HEK293T cells |
| External Database Links | UniProt: Q96EY8 Related reagents Entrez Gene: 326625 MMAB Related reagents |

Specificity

Mouse anti Human MMAB antibody recognizes MMAB also known as ATP:cob(I)alamin adenosyltransferase, ATP:corrinoid adenosyltransferase, aquocob(I)alamin vitamin B12s

adenosyltransferase, cilia and flagella associated protein 23, CFAP23 and methylmalonic aciduria type B protein.

The MMAB gene encodes a protein that catalyzes the final step in the conversion of vitamin B(12) into adenosylcobalamin (AdoCbl), a vitamin B12-containing coenzyme for methylmalonyl-CoA mutase. Mutations in the gene are the cause of vitamin B12-dependent methylmalonic aciduria linked to the cblB complementation group. Alternatively spliced transcript variants have been found (provided by RefSeq, Apr 2011).

Mouse anti MMAB antibody detects a band of 27 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

| | |
|-------------------------|---|
| Western Blotting | Anti MMAB detects a band of approximately 27 kDa in HEK293 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. |
|-----------------------------|---|

| | |
|---------------------------|--|
| Lysate Composition | 400µg HEK293 lysate lyophilized in RIPA buffer |
|---------------------------|--|

| | |
|------------------------------|---|
| Lysate Reconstitution | - If using DDT reconstitute the lyophilized lysate with 190µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT. - If using BME reconstitute the lyophilized lysate with 180µl DI H ₂ O, add 200µl 2x Laemmli Sample Buffer and 20µl BME. Heat at 95°C for 5 minutes. For 10 well mini gels load 25µl. For other gel and comb formats please refer to the PrecisionAb western blotting protocol. |
|------------------------------|---|

| | |
|----------------|---|
| Storage | Antibody: Store undiluted at -20°C, avoiding repeated freeze thaw cycles. Lysate: Store lyophilized lysate at -20°C. After reconstitution aliquot and store at -20°C for up to 3 months or at -80°C for longer term storage. |
|----------------|---|

| | |
|------------------|--|
| 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 #10561 available at: Antibody (10048): https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf Lysate Material (10561): https://www.bio-rad-antibodies.com/uploads/MSDS/10561.pdf |
|--------------------------------------|--|

| | |
|-------------------|----------------------------|
| Regulatory | For research purposes only |
|-------------------|----------------------------|

Related Products

Recommended Secondary Antibodies

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

Recommended Negative Controls

[MOUSE IgG2a NEGATIVE CONTROL \(MCA929\)](#)

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

Printed on 15 Mar 2019

© 2019 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)