

Datasheet: VMA00181

**BATCH NUMBER 240615**

|                      |                        |
|----------------------|------------------------|
| <b>Description:</b>  | MOUSE ANTI TSC1        |
| <b>Specificity:</b>  | TSC1                   |
| <b>Format:</b>       | Purified               |
| <b>Product Type:</b> | PrecisionAb Monoclonal |
| <b>Clone:</b>        | OTI3A2                 |
| <b>Isotype:</b>      | IgG2a                  |
| <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 purified by affinity chromatography from ascites.   |
| <b>Buffer Solution</b> | Phosphate buffered saline   |
| <b>Preservative</b>    | 0.09% Sodium Azide (NaN <sub>3</sub> )  |
| <b>Stabilisers</b>     | 1% Bovine Serum Albumin<br>50% Glycerol   |
| <b>Immunogen</b>       | Human recombinant protein fragment corresponding to amino acids 836-1164 of human TSC1 (NP_000359) produced in <i>E. coli</i> |

**External Database  
Links**

**UniProt:**

[Q92574](#)   [Related reagents](#)

**Entrez Gene:**

[7248](#)   TSC1   [Related reagents](#)

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**Synonyms**

KIAA0243, TSC

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**Specificity**

**Mouse anti Human TSC1 antibody** recognizes TSC1, also known as hamartin and tuberous sclerosis 1 protein.

TSC1 encodes a growth inhibitory protein thought to play a role in the stabilization of tuberin. Mutations in TSC1 have been associated with tuberous sclerosis. Alternative splicing results in multiple transcript variants (provided by RefSeq, Jun 2009).

Mouse anti Human TSC1 antibody detects a band of 150 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.

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**Western Blotting**

Anti TSC1 detects a band of approximately 150 kDa in Jurkat cell lysates.

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**Storage**

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

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**Guarantee**

12 months from date of despatch

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**Acknowledgements**

PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety  
Information**

Material Safety Datasheet documentation #10048 available at:  
<https://www.bio-rad-antibodies.com/SDS/VMA00181>  
Antibody (10048)

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

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

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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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