

## Datasheet: VMA00181

<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 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>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q92574</a>   <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">7248</a>   TSC1   <a href="#">Related reagents</a></p>

<b>Synonyms</b>	KIAA0243, TSC
<b>Specificity</b>	<p><b>Mouse anti Human TSC1 antibody</b> recognizes TSC1, also known as hamartin and tuberous sclerosis 1 protein.</p> <p>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).</p> <p>Mouse anti Human TSC1 antibody detects a band of 150 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti TSC1 detects a band of approximately 150 kDa in Jurkat cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	As supplied, 12 months from date of despatch.
<b>Acknowledgements</b>	PrecisionAb is a trademark of Bio-Rad Laboratories.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10048 available at: Antibody (10048): <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf</a>
<b>Regulatory</b>	For research purposes only

## Related Products

### Recommended Secondary Antibodies

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

### Recommended Negative Controls

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

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