

## Datasheet: VMA00181KT

<b>Description:</b>	TSC1 ANTIBODY WITH CONTROL LYSATE
<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>	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](http://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.

<b>Target Species</b>	Human
<b>Product Form</b>	Purified IgG - liquid
<b>Preparation</b>	20µl Mouse monoclonal antibody purified by affinity chromatography from ascites.
<b>Buffer Solution</b>	Phosphate buffered saline
<b>Preservative Stabilisers</b>	0.09% Sodium Azide (NaN <sub>3</sub> ) 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</b>	<b>UniProt:</b>

**Links**[Q92574](#)[Related reagents](#)**Entrez Gene:**[7248](#)

TSC1

[Related reagents](#)**Synonyms**

KIAA0243, TSC

**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.

**Western Blotting**

Anti TSC1 detects a band of approximately 150 kDa in Jurkat 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 Jurkat lysate lyophilized in RIPA buffer.

**Lysate Reconstitution**

- If using DDT reconstitute the lyophilized lysate with 190µl DI H<sub>2</sub>O, add 200µl 2x Laemmli Sample Buffer and 10µl 2M DTT.

- If using BME reconstitute the lyophilized lysate with 180µl DI H<sub>2</sub>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 \(MCA929\)](#)

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Look out for updates on how to access your digital version at [bio-rad-antibodies.com](http://bio-rad-antibodies.com)

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