

## Datasheet: VMA00281

<b>Description:</b>	MOUSE ANTI STK39
<b>Specificity:</b>	STK39
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI2E10
<b>Isotype:</b>	IgG1
<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>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Rat</p> <p><b>N.B.</b> Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
<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 Stabilisers</b>	<p>0.09% Sodium Azide (NaN<sub>3</sub>)</p> <p>1% Bovine Serum Albumin</p> <p>50% Glycerol</p>

<b>Immunogen</b>	Full-length protein expressed in 293T cell transfected with human STK39 expression vector
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">Q9UEW8</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">27347</a> STK39 <a href="#">Related reagents</a>
<b>Synonyms</b>	SPAK
<b>Specificity</b>	<p><b>Mouse anti Human STK39 antibody, clone OTI2E10</b> recognizes the STE20/SPS1-related proline-alanine-rich protein kinase, also known as STE20/SPS1 homolog, STE20/SPS1-related proline-alanine-rich protein kinase, Ste20-like protein kinase, proline-alanine-rich STE20-related kinase, serine threonine kinase 39 (STE20/SPS1 homolog, yeast), serine/threonine-protein kinase 39, small intestine SPAK-like kinase and ste-20-related kinase.</p> <p>Encoded by the STK39 gene, STE20/SPS1-related proline-alanine-rich protein kinase is a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The catalytically active kinase specifically activates the p38 MAP kinase pathway, and its interaction with p38 decreases upon cellular stress, suggesting that this kinase may serve as an intermediate in the response to cellular stress (provided by RefSeq, Jul 2008).</p> <p>Mouse anti Human STK39 antibody, clone OTI2E10 detects a band of 65 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti STK39 detects a band of approximately 65 kDa in HEK293 cell lysates.
<b>Storage</b>	Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
<b>Guarantee</b>	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: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00281">https://www.bio-rad-antibodies.com/SDS/VMA00281</a> Antibody (10048)
<b>Regulatory</b>	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)

<b>North &amp; South America</b>	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: <a href="mailto:antibody_sales_us@bio-rad.com">antibody_sales_us@bio-rad.com</a>	<b>Worldwide</b>	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: <a href="mailto:antibody_sales_uk@bio-rad.com">antibody_sales_uk@bio-rad.com</a>	<b>Europe</b>	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: <a href="mailto:antibody_sales_de@bio-rad.com">antibody_sales_de@bio-rad.com</a>
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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://bio-rad-antibodies.com/datasheets)

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