

## Datasheet: VMA00397

<b>Description:</b>	MOUSE ANTI TUBULIN BETA 3
<b>Specificity:</b>	TUBULIN BETA 3
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	OTI5H2
<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. Learn about [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</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>Approx. Protein Concentrations</b>	IgG concentration 0.5 mg/ml.
<b>Immunogen</b>	Recombinant protein fragment corresponding to aa 1-150 of human tubulin beta 3 (NP_006077) produced in <i>E.coli</i>
<b>External Database Links</b>	<p><b>UniProt:</b>  <a href="#">Q13509</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b>  <a href="#">10381</a>    TUBB3    <a href="#">Related reagents</a></p>
<b>Synonyms</b>	TUBB4
<b>Specificity</b>	<p><b>Mouse anti Human tubulin Beta 3 antibody, clone OTI5H2</b> recognizes tubulin beta 3, also known as TUBB3, class III beta-tubulin and tubulin beta-III.</p> <p>The TUBB3 gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in TUBB3 are the cause of congenital fibrosis of the extra-ocular muscles type 3. Alternate splicing results in multiple transcript variants. A pseudogene of TUBB3 is found on chromosome 6 (provided by RefSeq, Oct 2010).</p> <p>Mouse anti Human tubulin beta 3 antibody, clone OTI5H2 detects a band of 55 kDa. The antibody has been extensively validated for western blotting using whole cell lysates.</p>
<b>Western Blotting</b>	Anti tubulin beta 3 detects a band of approximately 55 kDa in mouse and human brain tissue.
<b>Storage</b>	<p>This product is shipped at ambient temperature.</p> <p>Store undiluted at -20°C, avoiding repeated freeze thaw cycles.</p>
<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/VMA00397">https://www.bio-rad-antibodies.com/SDS/VMA00397</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 IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**Product inquiries:** [www.bio-rad-antibodies.com/technical-support](http://www.bio-rad-antibodies.com/technical-support)

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](http://bio-rad-antibodies.com/datasheets)  
'M443501:250709'

**Printed on 09 Jul 2025**

---

© 2025 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)