

## Datasheet: VMA00051

<b>Description:</b>	RAT ANTI TUBULIN ALPHA
<b>Specificity:</b>	TUBULIN ALPHA
<b>Format:</b>	Purified
<b>Product Type:</b>	PrecisionAb Monoclonal
<b>Clone:</b>	YOL1/34
<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
Immunofluorescence	▪			

**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>	Yeast
<b>Species Cross Reactivity</b>	<p>Reacts with: Mouse, Rat, Human</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>	Rat monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.
<b>Buffer Solution</b>	Phosphate buffered saline.
<b>Preservative</b>	0.09% Sodium Azide (NaN <sub>3</sub> ).

## Stabilisers

Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Yeast tubulin
Specificity	<p><b>Rat anti Human Tubulin alpha antibody</b> recognizes alpha tubulin, a 451 amino acid protein and major constituent of microtubules. Rat anti Human tubulin alpha antibody binds to a C-terminal epitope located between residues 414 and 422. Alpha tubulin is highly conserved between species and is expressed at high levels in most cells under a variety of conditions rendering it a suitable target as a loading control for western blotting.</p> <p>Rat anti Human tubulin alpha antibody recognizes alpha tubulin as a single band of ~52 kDa in multiple cell lysates from multiple species by western blotting under reducing conditions.</p>
Western Blotting	Anti tubulin alpha antibody detects a band of approximately 52 kDa in Jurkat cell lysates.
Storage	This product is shipped at ambient temperature. Store undiluted at -20°C, avoiding repeated freeze thaw cycles.
Guarantee	12 months from date of despatch.
Acknowledgements	PrecisionAb is a trademark of Bio-Rad Laboratories.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: <a href="https://www.bio-rad-antibodies.com/SDS/VMA00051">https://www.bio-rad-antibodies.com/SDS/VMA00051</a>
Regulatory	For research purposes only.

## Related Products

### Recommended Secondary Antibodies

Goat Anti Rat IgG (STAR72...) [HRP](#)

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)  
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