

## 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. 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.

### Target Species

Yeast

### Species Cross Reactivity

Reacts with: Mouse, Rat, Human  
**N.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.

### Product Form

Purified IgG - liquid

### Preparation

Rat monoclonal antibody purified by affinity chromatography on Protein G from tissue culture supernatant.

### Buffer Solution

Phosphate buffered saline.

### Preservative

0.09% Sodium Azide (NaN<sub>3</sub>).

## Stabilisers

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**Approx. Protein Concentrations** IgG concentration 0.5 mg/ml

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**Immunogen** Yeast tubulin

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**Specificity** **Rat anti Human Tubulin alpha antibody** 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.

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.

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**Western Blotting** Anti tubulin alpha antibody detects a band of approximately 52 kDa in Jurkat cell lysates.

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**Storage** Store undiluted at -20°C, avoiding repeated freeze thaw cycles.

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**Guarantee** 12 months from date of despatch.

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**Acknowledgements** PrecisionAb is a trademark of Bio-Rad Laboratories.

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at: <https://www.bio-rad-antibodies.com/SDS/VMA00051>  
Antibody (10040)

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**Regulatory** For research purposes only.

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## Related Products

### Recommended Secondary Antibodies

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

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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://www.bio-rad-antibodies.com/datasheets)

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