

## Datasheet: 6242-0206

|                      |  |
|----------------------|--|
| <b>Description:</b>  | MOUSE ANTI BOVINE MICROTUBULE ASSOCIATED PROTEIN TAU |
| <b>Specificity:</b>  | MICROTUBULE ASSOCIATED PROTEIN TAU                   |
| <b>Other names:</b>  | MAP TAU  |
| <b>Format:</b>       | Ascites  |
| <b>Product Type:</b> | Monoclonal Antibody                                  |
| <b>Clone:</b>        | 4F1  |
| <b>Isotype:</b>      | IgG1   |
| <b>Quantity:</b>     | 0.1 ml   |

## 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 |
|----------------------------|-----|----|----------------|--------------------|
| Immunohistology - Frozen   |     |    | ▪              |                    |
| Immunohistology - Paraffin | ▪   |    |                |                    |
| Western Blotting           | ▪   |    |                | 1/250 - 1/1000     |

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using the appropriate negative/positive controls.

### Target Species

Bovine

### Species Cross Reactivity

Reacts with: Monkey, Human, Chicken

Does not react with: Mouse, Rat

**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

Diluted Ascitic fluid - liquid

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

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

|                                       |  |
|---------------------------------------|--|
| <b>Approx. Protein Concentrations</b> | 1 mg/ml  |
| <b>Immunogen</b>                      | Bovine microtubule associated proteins.  |
| <b>External Database Links</b>        | <p><b>UniProt:</b><br/> <a href="#">P29172</a>    <a href="#">Related reagents</a></p> <p><b>Entrez Gene:</b><br/> <a href="#">281296</a>    MAPT    <a href="#">Related reagents</a></p>  |
| <b>Synonyms</b>                       | TAU  |
| <b>RRID</b>                           | AB_2139845   |
| <b>Specificity</b>                    | <p><b>Mouse anti Bovine microtubule associated protein tau antibody, clone 4F1</b> recognizes bovine microtubule associated protein tau. Tau proteins stabilize microtubules by interacting with tubulin, they are abundant in neurons in the central nervous system and are less common elsewhere. When tau proteins are defective and no longer stabilize microtubules properly, this can result in dementias, such as Alzheimer's disease (<a href="#">Kosik et al. 1986</a>).</p> <p>Mouse anti Bovine microtubule associated protein tau antibody, clone 4F1 reacts with tau in both the phosphorylated and non-phosphorylated form. It does not react with other microtubule associated proteins or tubulin.</p> <p>Mouse anti Bovine microtubule associated protein tau antibody, clone 4F1 recognizes an epitope between amino acids 95 - 108 of bovine Tau.</p> |
| <b>References</b>                     | 1. Watanabe, N. <i>et al.</i> (1992) Tau 2: a probe for a Ser conformation in the amino terminus of tau. <a href="#">J Neurochem. 58 (3): 960-6.</a>   |
| <b>Storage</b>                        | <p>Store at -20°C only.</p> <p>Storage in frost-free freezers is not recommended.</p> <p>This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p>  |
| <b>Guarantee</b>                      | 18 months from date of despatch.   |
| <b>Health And Safety Information</b>  | Material Safety Datasheet documentation #10040 available at: 10040: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf</a>  |
| <b>Regulatory</b>                     | For research purposes only   |

## Related Products

### Recommended Negative Controls

[MOUSE IgG1 NEGATIVE CONTROL \(MCA928\)](#)

**North & South** Tel: +1 800 265 7376

**America** Fax: +1 919 878 3751

Email: [antibody\\_sales\\_us@bio-rad.com](mailto:antibody_sales_us@bio-rad.com)

**Worldwide**

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: [antibody\\_sales\\_uk@bio-rad.com](mailto:antibody_sales_uk@bio-rad.com)

**Europe**

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: [antibody\\_sales\\_de@bio-rad.com](mailto:antibody_sales_de@bio-rad.com)

From March 15, 2021, we will no longer supply printed datasheets with our products.  
Look out for updates on how to access your digital version at [bio-rad-antibodies.com](http://bio-rad-antibodies.com)

'M362612:200514'

**Printed on 08 Feb 2021**

---

© 2021 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)