

Datasheet: 6242-0206

Description:	MOUSE ANTI BOVINE MICROTUBULE ASSOCIATED PROTEIN TAU
Specificity:	MICROTUBULE ASSOCIATED PROTEIN TAU
Other names:	MAP TAU
Format:	Ascites
Product Type:	Monoclonal Antibody
Clone:	4F1
Isotype:	IgG1
Quantity:	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.

	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.
Product Form	Diluted Ascitic fluid - liquid
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	1 mg/ml
Immunogen	Bovine microtubule associated proteins.
External Database Links	UniProt: P29172 Related reagents

Entrez Gene:[281296](#) MAPT [Related reagents](#)

Synonyms TAU

Specificity **Mouse anti Bovine microtubule associated protein tau antibody, clone 4F1** 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 ([Kosik et al. 1986](#)).

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.

Mouse anti Bovine microtubule associated protein tau antibody, clone 4F1 recognizes an epitope between amino acids 95 - 108 of bovine Tau.

References 1. Watanabe, N. *et al.* (1992) Tau 2: a probe for a Ser conformation in the amino terminus of tau. [J Neurochem. 58 \(3\): 960-6.](#)

Storage Store at -20°C only.
Storage in frost-free freezers is not recommended.
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.

Shelf Life 18 months from date of despatch.

Health And Safety Information Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory 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 3751Email: antibody_sales_us@bio-rad.com**Worldwide**

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