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BIOTINYLATED MONOCLONAL MOUSE ANTI-TAU, CLONE HT7

BR-020

New code: 90214

| | |
|----------------------|---------------|
| Immunoglobulin class | IgG1 κ |
| Clone | HT7 |
| Mass/vial | 50 μ g |
| Volume/vial | 0.5 ml |

FOR RESEARCH USE ONLY

Presentation

This mouse biotinylated monoclonal antibody to human tau is supplied in PBS, sterile filtered (0.22 μ m) and without addition of preservatives.

Source

Mouse myeloma SP2/0 cells were fused with spleen cells of a Balb/c mouse immunized intraperitoneally with purified human tau (1). This antibody has been purified from serum-free culture supernatant by protein A affinity chromatography.

Purity

The final product is more than 95% pure as determined by SDS-PAGE.

Applications

This antibody can be used for immunohistochemical staining and ELISA techniques.

Specificity

This antibody reacts with all species of normal tau from human and bovine brain and also with PHF-tau. No cross-reaction with tau from rat brain has been observed.

The epitope of this antibody has been mapped on human tau between position 159 and 163*, corresponding to sequence PPGQK.

Storage and stability

Biotinylated monoclonal mouse anti-tau, as shipped, is stable for at least six months when stored at 4°C.

This antibody should be diluted with PBS or medium containing a suitable carrier protein (e.g. 0.1 to 1% BSA). Failure to add carrier protein to diluted product will result in loss of activity.

* numbering according to human tau40 (2).

References

- (1) Mercken M, et al. J Neurochem 1992; 58: 548-53.
- (2) Goedert M, et al. Neuron 1989; 3: 519- 26.