



Fujirebio Europe NV
Technologiepark Zwijnaarde 6
B-9052 GENT (Belgium)

Tel: 32-9/329.1329
Telefax: 32-9/329.1911

Presentation

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

Source

Mouse myeloma SP2/0 cells were fused with spleen cells of a Balb/c mouse immunized intraperitoneally with partially purified human PHF-tau (1, 2). 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 (3), and ELISA techniques.

Specificity

This antibody recognizes PHF-tau and does not cross-react with normal tau as determined by a sandwich ELISA. Furthermore, no signal was obtained using alkaline phosphatase-treated PHF-tau as antigen, indicating that this monoclonal is directed against a phosphatase-sensitive epitope (2).

The epitope has been shown to contain the phosphorylated Ser202 and Thr205* residue (4,5).

Storage and stability

Biotinylated monoclonal mouse anti-human PHF-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.

BIOTINYLATED MONOCLONAL MOUSE ANTI-HUMAN PHF-TAU, CLONE AT8

Code 90343

Immunoglobulin class	IgG1 κ
Clone	AT8
Mass/vial	50 µg
Volume/vial	0.5 ml

FOR RESEARCH USE ONLY

* numbering according to human tau40 (6).

References

- (1) Greenberg SG, Davies P. Proc Natl Acad Sci USA 1990; 87: 5827-31.
- (2) Mercken M, et al. Acta Neuropathol 1991; 84: 265-72.
- (3) Braak E, et al. Acta Neuropathol 1994; 87: 554-67.
- (4) Goedert M, et al. Proc Natl Acad Sci USA 1993; 90: 5066-70.
- (5) Biernat J, et al. EMBO J 1992; 11: 1593-7.
- (6) Goedert M, et al. Neuron 1989; 3: 519-26.