



Meridian

Life Science, Inc.

Innovative Solutions. Trusted Partner.®

5171 Wilfong Road
Memphis, TN 38134
USA

Telephone: 901-382-8716

Fax: 901-333-8223

Email: info@meridianlifescience.com

www.MeridianLifeScience.com

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: Q01119M **Lot #:** 2J29514

Description: MAb to MAP-2 (2a + 2b)
Monoclonal Antibody to Microtubule Associated Protein-2 (MAP-2) (2a + 2b)

Specificity: Anti-MAP-2 recognizes (Mr 300kDa) MAP-2 protein from bovine brain. Strongly cross-reacts with MAP-2 from human, rat, mouse and chicken brains. Anti-MAP-2 (Clone AP20) reacts with the high molecular weight forms (2a & 2b) of MAP-2 but not with the low molecular weight form (2c). Reacts with dendrites and cell bodies of neurons.

Clone: AP20

Host Animal: Mouse **Isotype:** IgG₁

Source: Cell culture

Format: Purified, Liquid

Purification: Protein G chromatography

Concentration: 0.1 mg/ml (OD280nm)

Affinity Constant: Not determined

Buffer: 0.01M PBS, pH 7.4 containing 1% BSA.

Preservative: 0.09% Sodium azide

Applications: Can be used in protein blotting and immunohistochemistry, frozen tissues only. Anti-MAP-2 may be used in studies of neuron structure in brain tissue. The suggested working dilution for immunohistochemical staining is approximately 1:500. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Short-term (up to 1 month) store at 2-8°C. Long-term, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warning: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1 – 1.0 %. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

References: The references listed below are for research purposes only.

1. Cacaes, A. et al (1984) *J. Neuroscience* **4**:394.
2. Peng, I. et al (1986) *J. Cell Biol.* **102**:252.
3. Lewis, S.A. et al (1989) *Nature* **342**:498.

Robert Ott

Signature

22 Oct 2014

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY