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## TECHNICAL INFORMATION

# ImmunO™

Catalog Number: 697051

**Mouse Anti-Neurofilament 200 Monoclonal (Clone NE14)**

**Form:** Liquid. In ascites fluid.

**Description:** This product is a mouse IgG<sub>1</sub> presented in the form of specially processed ascites fluid produced by hybridization of mouse myeloma cells with spleen cells from mice immunized with neurofilaments purified from porcine spinal cord<sup>4</sup>. This product is a monoclonal antibody to the neurofilament peptide of apparent molecular weight of 200,000 and it reacts specifically with this neurofilament in cultured cells or tissue preparations originating from human, porcine, rat, mouse, chicken, guinea pig, bovine and rabbit tissue.

**Specificity:** This antibody localizes specifically the neurofilament of molecular weight 200,000 using indirect immunofluorescent labeling on formalin fixed paraffin embedded tissue sections and the immunoblot technique. Good immunofluorescent labeling may be obtained in human, porcine, rat, chicken, guinea pig, rabbit and mouse tissue.

**Working Dilution:** 1:80 As determined by indirect immunofluorescent labeling of formalin fixed paraffin-embedded tissue sections of rat brain.

1:400 As determined by direct immunoblotting using rat brain extract.

It is recommended that each lab obtain their own working dilutions by titration assay.

### References:

- Debus, E., Weber, K. and Osborn, M., **Differentiation** **25**, 193, 1983.
- Weber, K., et al., "Neurofilaments, A Subclass of Intermediate filaments: Structure and expression", **Cold Spring Harbor Symp. Quant. Biology**, **47**, 717, 1983.
- Shaw, G., Debus, E. and Weber, K., **Eur. J. Cell Biology**, **34**, 130, 1984.
- Debus, E., Flugge, G., Weber, K. and Osborn, M., **EMBO J.**, **1**, 41-45, 1982.

**Note:** This product may contain a preservative such as sodium azide, thimerosal or proclin. Please see lot specific chemical credential for preservative information.

[If a titer/working dilution is not given above, please click here to see a general dilution chart for working with antibodies. Please note that the general dilution chart should only be used as a guideline. Each lab should determine their own optimal working dilution.](#)

[Will this antibody work with your application? Please click here to see a general chart of antibody applications. Please note that any information given above is primary application data. The general applications charts should only be used as a reference.](#)