

## Neurofilament, clone 403 Monoclonal Antibody

**Catalog No.:** MON3031

**Quantity:** 1 ml

### **Specificity**

The monoclonal antibody reacts specific with the medium component of the three subunits of neurofilaments. In immunoblots it reacts with the 160 kD protein. Neurofilaments, the intermediate filaments of neurons, are composed of three polypeptides with a moleculeweight of respectively, 70, 160 and 200 kD. The three polypeptides can be differentially expressed during neuronal development, or in adult brain tissue. Antibodies directed against the three different neurofilament proteins can be an important aid in studying neurofilament expression pattern and in testing of tumors. Antigen origin: neurofilament preparation of human spinal cord. Antigen location: cytoplasm.

### **Immunoglobulin type**

Murine IgG<sub>1</sub>

### **Use**

The neurofilament antibody can be used in immunohistochemistry on frozen and paraffin embedded tissue.

### **Instructions for use**

The antibody can be used on paraffin embedded tissue without tissue pretreatment.

Working dilution of 1: 10 is advised, but the optimal dilution should be tested by serial dilution. Positive control: human brain tissue.

### **Presentation**

1 ml tissue culture supernatant containing 0.1% sodium azide.

### **Literature**

Hacker G.W., et al. Antibodies to neurofilament protein and other brain proteins reveal the innervation of peripheral organs (1985). Histochemistry, 82, 581-593.

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