

# Neurofilament clone 2F11

## Instructions for Use

### Specification:

Anti-Neurofilament antibody stains an antigen localized in several neural, neuroendocrine, and endocrine tumors. Neuromas, ganglioneuromas, gangliogliomas, ganglioneuroblastomas and neuroblastomas stain positively for neurofilament. Neurofilaments are also present in paragangliomas and adrenal and extra-adrenal pheochromocytomas. Carcinoids, neuroendocrine carcinomas of the skin, and oat cell carcinomas of the lung also express neurofilament.

### Availability:

Catalog No.	Contents	Volume
ILM1503-C01	Neurofilament	0,1 ml concentrate
ILM1503-C05	Neurofilament	0,5 ml concentrate
ILM1503-C1	Neurofilament	1,0 ml concentrate

**Intended use:** For Research Use Only

**Reactivity:** Human

**Clone:** 2F11

**Species of origin:** Mouse

**Isotype:** IgG<sub>1</sub>/K

**Control Tissue:** Brain

**Staining:** Cytoplasmic

**Presentation:** Anti-Neurofilament is a mouse monoclonal antibody from supernatant diluted in tris buffered saline, pH 7.3-7.7, with protein base, and preserved with sodium azide

### Application and suggested dilutions:

Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of cryostat tissue sections (dilution up to 1:100-1:500)
- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution up to 1:100-1:500)

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

**Storage & Stability:** Store at 2-8 °C. Do not use after expiration date printed on the vial.

### References:

- 1) Wood, JN, Anederton, BH, et al. Biosci 1981;Rep, 1:263
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- 3) Miettinen, M, et al. Lab Invest 1985;52:429-436
- 4) Van Muijen, GNP, et al. Am J Pathol 1984; 116:363-369
- 5) Trojanowski, JQ, et al. N Eng J Med 1985;313:101-104
- 6) Morrison CD, Prayson RA. Semin Diagn Pathol. 2000 Aug;17(3):204-15
- 7) Dubovy SR, Clark BJ. Br J Ophthalmol. 2001 Aug;85(8):949-51
- 8) Erana-Rojas IE et al. Ann Diagn Pathol. 2002 Oct;6(5):265-71