

Mouse Monoclonal anti-pan Neurofilaments, Clone 2F11

60-0048; 60-0048-7 6 mL; 7 mL predilute Antibody, Ready-To-Use
 61-0048; 61-0048-2; 61-0048-5 1 mL; 0.2 mL; 0.5 mL Concentrate Antibody
 Isotype IgG1
 Concentration See container label

Intended Use

For In Vitro Diagnostic Use.

This product is used to qualitatively detect Neurofilaments (NFs) in normal and neoplastic formalin fixed paraffin embedded tissue sections in immunohistochemical detection methodology. Interpretation must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

Description

The antibody stains all neurons and axonal process of the central and peripheral nervous system. It is a useful tool for the identification of tumors with neuronal differentiation and Hirschsprung's disease.

The antibody is useful in the separation of neuroblastoma and PNET from other small round cell tumors in childhood, which include rhabdomyosarcoma, lymphoblastic leukemia, and small cell osteogenic sarcoma. Among soft tissue neoplasms, neuroblastoma variants, ganglioneuromas, paragangliomas, and metastatic neuroendocrine carcinomas are the only lesions that are potentially labeled for NFs. Differential identification is aided by the results from a panel of antibodies, especially antibodies against other types of intermediate filaments.

Reagent provided

This antibody is cell culture supernatant diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN₃) as antimicrobial agent.

Precautions

For professional users

Proper handling of this product as with any product derived from biological sources according to local and applicable regulations.

Sodium azide is a toxic chemical. The concentration in this product is not classified as hazardous, however the build-ups of NaN₃ may react with lead and copper plumbing to form highly explosive metal azides. Flush the disposed reagent with large volume of water to prevent azide build-up.

Usage

Dilution

60-0048; 60-0048-7: Ready-To-Use

61-0048; 61-0048-2; 61-0048-5: Dilute 1:30 to 1:60 before use when using Acu-Stain™ detection system. Optimum dilution factor may vary depending on the specimen and preparation process and should be determined by each individual investigator.

Staining procedure

Incubate this antibody with tissue section for 30-60 minutes at room temperature. Follow the instructions from the selected detection system.

Positive control tissue

Paraganglioma

Epitope retrieval:

Not Required

Staining pattern

Cytoplasmic

Storage

Store at 2-8°C.

References

1. Luider TM, et al. J Pediatr Surg 1992; 27:815-819
2. Van Muijen GNP, et al. Hum Pathol 1985; 16:590-595.
3. Klück P, et al. Lancet. 1984 Mar 24;1(8378):652-4

Symbols



Catalog No.



Batch No.



In Vitro Diagnostic Use



Temperature Range



Use By

30048 Rev.02

