

## Mouse Monoclonal anti-NSE, Clone GM021

60-0131; 60-0131-7	6 mL; 7 mL predilute Antibody, Ready-To-Use
61-0131-2	0.2 mL Concentrate Antibody
Isotype	IgG1
Concentration	See container label

**Intended Use** For In Vitro Diagnostic Use.

This product is intended for laboratory use to qualitatively detect Neuron-Specific Enolase (NSE) by light microscopy in normal and neoplastic formalin fixed paraffin embedded tissue sections using immunohistochemical (IHC) methodology. Interpretation of any positive or negative staining shall be supported by a proper control and must be made within the context of the patient's clinical history and other diagnostic test by a qualified pathologist.

**Description** NSE is specifically detected in neurons and neuroendocrine cells, and their corresponding tumors. Anti-NSE antibody is a useful marker for identification of peripheral nerves, neural and neuroendocrine tumors, such as neuroblastomas, retinoblastomas, desmoplastic melanoma, and small cell lung carcinoma when used with a panel of antibodies (e.g. keratin, chromgranin A, synaptophysin, and neurofilaments).

**Reagent provided** This antibody is diluted in 10 mM Phosphate buffered saline (PBS), pH 7.2 containing 1% bovine serum albumin (BSA) and 0.09% sodium azide (NaN<sub>3</sub>) 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 NaN<sub>3</sub> 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** 60-0131; 60-0131-7: Ready-To-Use  
61-0131-2: Dilute 1:50 to 1:100 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** Neuroendocrine Tumor

**Epitope retrieval** HIER, Tris pH 9

**Staining pattern** Cytoplasm

**Storage** Store at 2-8°C.

- References**
1. Soler Federspiel BS, et al. J Neurochem. 1987;48:22-28
  2. Anstey A, et al. Am J Dermatopathol. 1994;16:14-22

### Symbols

				
Catalog No.	Batch No.	In Vitro Diagnostic Use	Temperature Range	Use By