

NSE clone 5E2

Instructions for Use

Specification:

Neuron-specific enolase (NSE) is the glycolytic isoenzyme of the enolase gamma-gamma dimer specifically detected in neurons of neuroendocrine cells, and their corresponding tumors. In addition, NSE has been demonstrated immunohistochemically in the non-neoplastic cells of the pituitary, peptide secreting tissues, pinealocytes, neuroendocrine cells of the lung, thyroid, parafollicular cells, adrenal medulla, islets of Langerhans, Merkel cells of the skin, and melanocytes. Anti-NSE immunostaining is also positive in normal striated muscle, hepatocytes and, to a lesser extent, smooth muscle. Anti-NSE is a useful marker to identify peripheral nerves. When used for the identification of neuroendocrine differentiation, it is necessary that it be employed in a panel with more specific markers such as anti-synaptophysin, anti-chromogranin, and anti-neurofilament.

Availability:

Catalog No.	Contents	Volume
ILM0056-C01	NSE	0,1 ml concentrate
ILM0056-C05	NSE	0,5 ml concentrate
ILM0056-C1	NSE	1,0 ml concentrate

Intended use: For Research Use Only

Reactivity: Human

Clone: 5E2

Species of origin: Mouse

Isotype: IgG2α

Control Tissue: Pancreas or brain

Staining: Cytoplasmic

Immunogen: Neuron-specific enolase from human brain

Presentation: Tissue culture supernatant with 0.2% BSA and 15mM sodium azide

Application and suggested dilutions:

Pretreatment: 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 formalin-fixed, paraffin embedded tissue section (dilution 1:50-1:200)

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.