



## ANOGEN - A Division of YES Biotech Laboratories Ltd.

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### Mouse Anti-Human NSE Monoclonal Antibody Datasheet

**Product Name:** mAb anti-human NSE

**Clone No.:** 145

**Catalogue No.:** MO-M40092A

**Quantity:** 0.5 mg/vial

**Description:** Mouse monoclonal antibody to human Neuron Specific Enolase (NSE)

**Purification:** Protein G affinity purified

**Product Type:** Primary antibody

**Target Protein:** Human NSE

**Immunogen:** Recombinant human NSE

**Fusion Myeloma:** Sp2/0-Ag14

**Specificity:** This monoclonal antibody reacts with recombinant human NSE.

**Species Reactivity:** Human, others not tested

**Host / Isotype:** Mouse, IgG2b Kappa

**Formulation:** Lyophilized from a solution in 0.01M PBS, pH 7.2

**Reconstitution:** Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

**Storage:** Store at -20°C

**Research Area:** Neurological study

**Background:** NSE (Neuron-Specific Enolase) is a glycolytic enzyme present in high concentration in neurons and in central and peripheral neuroendocrine cells. The protein showed specific neurotrophic and neuroprotective effects on cultured neuron cells in low oxygen condition and was found to increase expression after traumatic brain injury. Serum NSE level has been evaluated as a biomarker for predicting the outcome of patients after brain injury and for identifying brain injury in multiple organ trauma. Immuno-detection of NSE is used for identifying cells of neural and neuroendocrine lineage.

**Applications:** ELISA

Western Blot

**References:** If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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