

## Product Datasheet

**Name:** Mouse Anti-human NSE Monoclonal Antibody

**Description:** Hybridoma clones have been derived from hybridization of myeloma cells with spleen cells of BALB/c mouse immunized with recombinant human NSE.

Catalog No.	Clone	Isotype	Unit	Usage	Buffer
V1801	2A8	IgG1	mg	Capture	10mM PBS (pH7.4)

**Specificity:** Mabs react with antigen human NSE

**Host:** Mouse

**Clonality:** Monoclonal

**Format:** Liquid

**Concentration:**  $\geq 0.5$ mg/ml

**Purification:**  $\geq 90\%$  (SDS-PAGE)

**Preservative:** 0.1%Proclin300

**Application:** Recommended for sandwich immunoassays in ELISA and CLIA. Each laboratory should determine an optimum working titer for use in its particular application.

**Storage:** Store at  $-20\text{ }^{\circ}\text{C}$  for one year. Avoid repeated freeze/thaw cycles.

**Background:** Gamma-enolase, also known as enolase 2 (ENO2) or neuron specific enolase (NSE), is an enzyme that in humans is encoded by the ENO2 gene. Gamma-enolase is a phosphopyruvate hydratase. Gamma-enolase is one of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates.

**Note:** This product as supplied is intended for research or further manufacturing use only.