Mouse Neuron-Specific Enolase ELISA Kit | NSE elisa kit

Mouse Neuron-Specific Enolase ELISA Kit

CATALOG #	REACTIVITY
AAA17349	**Mouse**

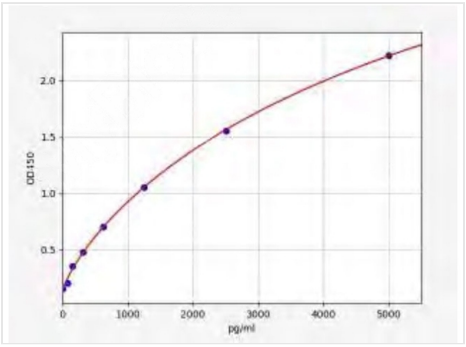
PRODUCT SYNONYMS

Neuron-Specific Enolase; Mouse Neuron-Specific Enolase ELISA Kit; NSE/ENO2/gamma-Enolase/enolase 2 (gamma; neuronal)/gamma-enolase/Neural enolase/neuron specific gamma enolase/Neuron-specific enolase; NSE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize NSE, no obvious cross reaction with other analogues
Sequence Length	434
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NSE elisa kit	Background: Neuron-specific enolase (NSE) is known to be a cell specific isoenzyme of the glycolytic enzyme enolase. NSE is a highly specific marker for neurons and peripheral neuroendocrine cells. NSE is currently the most reliable tumour marker in diagnosis, prognosis and follow-up of small cell lung cancer (SCLC), even though increased levels of NSE have been reported also in non-small cell lung cancer (NSCLC). NSE has been demonstrated to provide quantitative measures of brain damage and/or to improve the diagnosis and the outcome evaluation in ischaemic stroke, intracerebral hemorrhage, seizures, comatose patients after cardiopulmonary resuscitation for cardiac arrest and traumatic brain injury. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti NSE antibody was precoated onto the 96-well plate. The biotin conjugated anti NSE antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with NSE conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of NSE in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.

NCBI AND UNIPROT INFORMATION

NCBI GI #	359719155
NCBI GeneID	102190860
Molecular Weight	47,266 Da
NCBI Official Full Name	neuron-specific enolase
NCBI Official Symbol	ENO2
NCBI Official Synonym Symbols	NSE
NCBI Protein Information	enolase 2 (gamma, neuronal)
UniProt Protein Name	Neuron-specific enolase
UniProt Gene Name	**NSE**
UniProt Entry Name	G9JNA8_CAPHI

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/nse-mouse-elisa-kits/neuron-specific-enolase/17349