

Mouse Neuron Specific Enolase ELISA Kit | NSE elisa kit

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CATALOG #
AAA82514

REACTIVITY
Mouse

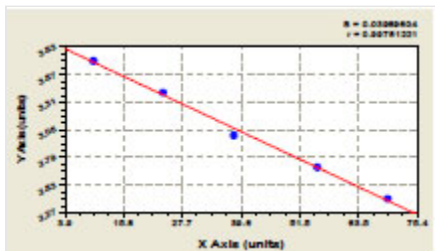
PRODUCT SYNONYMS

Neuron Specific Enolase; Mouse Neuron Specific Enolase ELISA Kit; NSE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NSE elisa kit

Intended Uses: This NSE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NSE. This ELISA kit for research use only!

Principle of the Assay||NSE ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NSE antibody and an NSE-HRP conjugate. The assay sample and buffer are incubated together with NSE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NSE concentration since NSE from samples and NSE-HRP conjugate compete for the anti-NSE antibody binding site. Since the number of sites is limited, as more sites are occupied by NSE from the sample, fewer sites are left to bind NSE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NSE concentration in each sample is interpolated from this standard curve.

Product Categories/Family for NSE elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	380447478
Molecular Weight	47,307 Da
NCBI Official Full Name	neuron-specific enolase
UniProt Protein Name	Neuron-specific enolase
UniProt Gene Name	NSE
UniProt Entry Name	H9BVF0_GECJA

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://stage.aaabiotech.com/nse-mouse-elisa-kits/neuron-specific-enolase/82514>