

Rat Neuron Specific Enolase ELISA Kit | NSE elisa kit

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CATALOG #
AAA86158

REACTIVITY
Rat

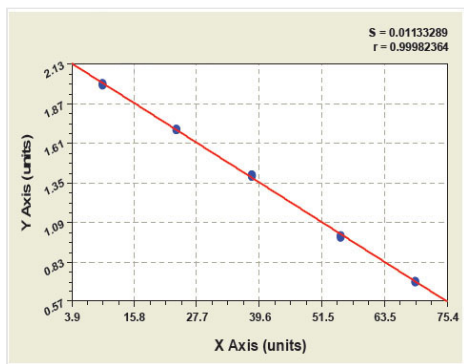
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This NSE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NSE. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NSE elisa kit

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.

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-rat-elisa-kits/neuron-specific-enolase/86158>