

Rat Enolase, Neuron Specific ELISA Kit | NSE elisa kit

Rat Enolase, Neuron Specific (NSE) (Sandwich ELISA) Mini sample ELISA Kit

CATALOG #
AAA189907

REACTIVITY
Rat

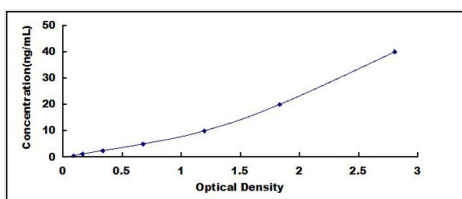
PRODUCT SYNONYMS

Enolase; Neuron Specific; Rat Enolase; Neuron Specific (NSE) (Sandwich ELISA) Mini sample ELISA Kit; ENO2; Enolase 2; Gamma Enolase; 2-phospho-D-glycerate hydro-lyase; Neural enolase; Mini Samples ELISA Kit for Enolase; Neuron Specific (NSE); NSE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Mini Samples Enolase, Neuron Specific (NSE). No significant cross-reactivity or interference between Mini Samples Enolase, Neuron Specific (NSE) and analogues was observed. Reactive with Rat NSE / Enolase, Neuron Specific
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	0.232ng/mL
Detection Method	Colormetric
Assay Precision	Intra-Assay: CV<10%, Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

Typical Standard Curve for NSE ELISA (Sandwich)

ADDITIONAL INFORMATION

Related Product Information for NSE elisa kit

Principle of the Assay||The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Mini Samples Enolase, Neuron Specific (NSE). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Mini Samples Enolase, Neuron Specific (NSE). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Mini Samples Enolase, Neuron Specific (NSE), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of Mini Samples Enolase, Neuron Specific (NSE) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GeneID	24334
UniProt Accession #	P07323
UniProt Protein Name	Gamma-enolase
UniProt Gene Name	Eno2
UniProt Synonym Gene Names	Eno-2
UniProt Entry Name	ENOG_RAT

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/enolase-neuron-specific/189907>