

Human Enolase, Neuron Specific (NSE) ELISA Kit | NSE elisa kit

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CATALOG #
AAA281419

REACTIVITY
Human

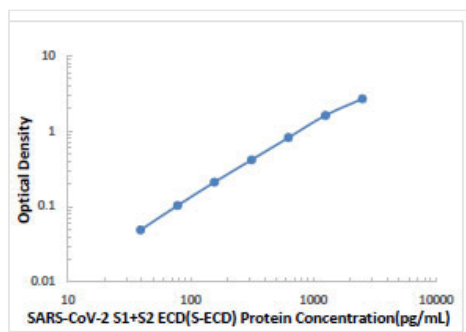
PRODUCT SYNONYMS

Enolase; Neuron Specific (NSE); Human Enolase; Neuron Specific ELISA Kit (NSE); NSE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of NSE. No significant cross-reactivity or interference between NSE and analogues was observed.
Sequence Length	434
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Assay Type	Quantitative Sandwich
Sensitivity	< 0.231 ng/mL
Intra-assay Precision	Intra-plate Precision 3 samples with low, middle and high level NSE were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-plate Precision 3 samples with low, middle and high level NSE were tested on 3 different plates, 8 replicates in each plate. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NSE elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. An antibody specific for NSE has been precoated onto a microplate. Standards and samples are pipetted into the wells and any NSE present is bound by the immobilized antibody. Following incubation unbound samples are removed during a wash step, and then a detection antibody specific for NSE is added to the wells and binds to the combination of capture antibody-NSE in sample. Following a wash to remove any unbound combination, and enzyme conjugate is added to the wells. Following incubation and wash steps, a substrate is added. A colored product TMB is formed in proportion to the amount of NSE present in the sample. The reaction is terminated by addition of acid and absorbance is measured. A standard curve is prepared from seven NSE standard dilutions and NSE sample concentration determined. Background/Introduction: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NSE in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803011
NCBI GeneID	2026
NCBI Accession #	NP_001966.1
NCBI GenBank Nucleotide #	NM_001975.3
UniProt Accession #	P09104; Q96J33; B7Z2X9
Molecular Weight	42,707 Da
NCBI Official Full Name	gamma-enolase
NCBI Official Synonym Full Names	enolase 2
NCBI Official Symbol	ENO2
NCBI Official Synonym Symbols	NSE; HEL-S-279
NCBI Protein Information	gamma-enolase
UniProt Protein Name	Gamma-enolase
UniProt Gene Name	ENO2
UniProt Synonym Gene Names	NSE

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/human-elisa-kits/enolase-neuron-specific-nse/281419>