

Human enolase 2 (gamma, neuronal) ELISA Kit | ENO2 elisa kit

Human Neuron-specific enolase, NSE ELISA Kit

CATALOG #
AAA80658

REACTIVITY
Human

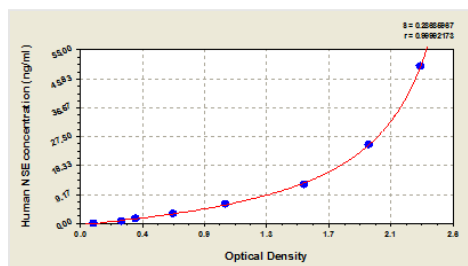
PRODUCT SYNONYMS

enolase 2 (gamma; neuronal); Human Neuron-specific enolase; NSE ELISA Kit; NSE; 2-phospho-D-glycerate hydrolyase; enolase 2; neural enolase; neuron specific gamma enolase; neurone-specific enolase; ENO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ENO2. No significant cross-reactivity or interference between Human ENO2 and analogues was observed.
Sequence Length	434
Samples	Serum, plasma, tissue homogenates
Detection Range	0.78 ng/ml-50 ng/ml
Sensitivity	0.2 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Biosynthesis/Metabolism
Protein Biological Process 2	glyconeogenesis and glycometabolism
Protein Biological Process 3	Glycolysis
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ENO2 elisa kit	Introduction: Neuron Specific Enolase (NSE) is the most abundant form of the glycolytic enolase found in adult neurons and is thought to serve as a growth factor in neurons. Of the three enolase subunits (alpha, beta, and gamma), NSE is a dimer composed of two gamma subunits. NSE is useful in studying neuronal differentiation and is, therefore, a valuable tool for visualizing the entire neuron and endocrine systems. Serum levels of NSE have been associated with such disease states as Alzheimer's, Huntington's Chorea, neuroblastoma, head trauma, neuroendocrine malignancies, and small cell carcinomas of the lung. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NSE. Standards or samples are then added to the appropriate microtiter plate wells with a HRP-conjugated antibody preparation specific for NSE to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain NSE, HRP-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of NSE in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5803011
NCBI GeneID	2026
NCBI Accession #	NP_001966.1
NCBI GenBank Nucleotide #	NM_001975.2
UniProt Accession #	P09104; Q96J33; B7Z2X9
Molecular Weight	47,269 Da
NCBI Official Full Name	gamma-enolase
NCBI Official Synonym Full Names	enolase 2 (gamma, neuronal)
NCBI Official Symbol	ENO2
NCBI Official Synonym Symbols	NSE; HEL-S-279
NCBI Protein Information	gamma-enolase; neural enolase; neuron-specific enolase; neurone-specific enolase; neuron specific gamma enolase; 2-phospho-D-glycerate hydrolyase; 2-phospho-D-glycerate hydro-lyase; epididymis secretory protein Li 279
UniProt Protein Name	Gamma-enolase
UniProt Gene Name	ENO2
UniProt Synonym Gene Names	NSE
UniProt Entry Name	ENOG_HUMAN

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.