

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

Mouse Neuron-specific enolase, NSE ELISA Kit

CATALOG #
AAA80047

REACTIVITY
Mouse

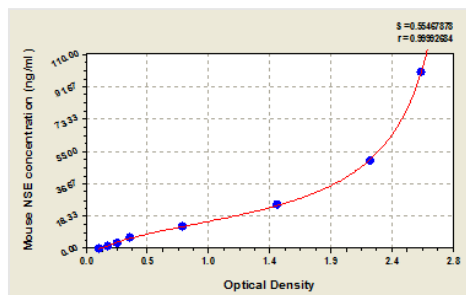
PRODUCT SYNONYMS

enolase 2 (gamma; neuronal); Mouse 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	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse NSE. No significant cross-reactivity or interference between mouse NSE and analogues was observed.
Sequence Length	434
Samples	Serum, plasma, cell culture supernates
Assay Type	Quantitative Sandwich
Detection Range	1.56 ng/ml-100 ng/ml
Sensitivity	<0.39 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for NSE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any NSE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NSE is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of NSE bound in the initial step. The color development is stopped and the intensity of the color is measured.
References	Biomarkers of traumatic injury are transported from brain to blood via the glymphatic system . Benjamin A. Plog, Matthew L. Dashnaw, Emi Hitomi, Weiguo Peng, Yonghong Liao, Nanhong Lou, Rashid Deane, and Maiken Nedergaard (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7305027
NCBI GeneID	13807
NCBI Accession #	NP_038537.1
NCBI GenBank Nucleotide #	NM_013509.2
UniProt Accession #	P17183
Molecular Weight	47,297 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; Eno-2; A1837106; D6Ertd375e
NCBI Protein Information	gamma-enolase; neural enolase; neuron-specific enolase; 2-phospho-D-glycerate hydro-lyase
UniProt Protein Name	Gamma-enolase
UniProt Gene Name	Eno2
UniProt Synonym Gene Names	Eno-2; NSE
UniProt Entry Name	ENOG_MOUSE

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/eno2-mouse-elisa-kits/enolase-2-gamma-neuronal/80047>