

Mouse Asparagine Synthetase (ASNS) ELISA Kit | ASNS elisa kit

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CATALOG #
AAA186372

REACTIVITY
Mouse

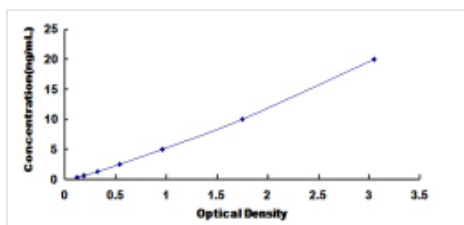
PRODUCT SYNONYMS

Asparagine Synthetase (ASNS); Mouse Asparagine Synthetase (ASNS) ELISA Kit; Aspartate-Ammonia Ligase; Asparagine synthetase [glutamine-hydrolyzing]; Cell cycle control protein TS11; Glutamine-dependent asparagine synthetase; ASNS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Asparagine Synthetase (ASNS). No significant cross-reactivity or interference between Asparagine Synthetase (ASNS) and analogues was observed.
Sequence Length	478
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue Homogenates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.108ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Asparagine Synthetase (ASNS) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Asparagine Synthetase (ASNS) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASNS elisa kit	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 Asparagine Synthetase (ASNS). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Asparagine Synthetase (ASNS). 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 Asparagine Synthetase (ASNS), 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 ± 10nm. The concentration of Asparagine Synthetase (ASNS) 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 #	533200
NCBI GeneID	440
UniProt Accession #	P08243; P08184; Q15666; Q549T9; Q96HD0; A4D1I8; B4DXZ1; B7ZAA9; D6W5R3; E9PCI3; E9PCX6
Molecular Weight	54,818 Da
NCBI Official Full Name	asparagine synthetase
NCBI Official Synonym Full Names	asparagine synthetase (glutamine-hydrolyzing)
NCBI Official Symbol	ASNS
NCBI Official Synonym Symbols	TS11; ASNSD
NCBI Protein Information	asparagine synthetase [glutamine-hydrolyzing]
UniProt Protein Name	Asparagine synthetase [glutamine-hydrolyzing]
UniProt Gene Name	ASNS
UniProt Synonym Gene Names	TS11

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/mouse-elisa-kits/asparagine-synthetase-asns/186372>