

Human Neuroserpin (NSP) ELISA Kit | NSP elisa kit

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CATALOG #
AAA186251

REACTIVITY
Human

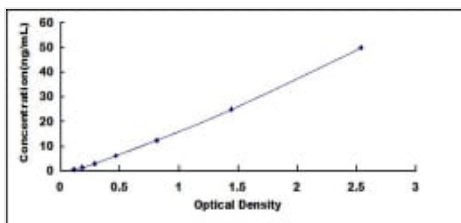
PRODUCT SYNONYMS

Neuroserpin (NSP); Human Neuroserpin (NSP) ELISA Kit; SERPINI1; PI12; Serpin Peptidase Inhibitor Clade I Member 1; Peptidase inhibitor 12; NSP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Neuroserpin (NSP). No significant cross-reactivity or interference between Neuroserpin (NSP) and analogues was observed.
Sequence Length	410
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and Other Biological Fluids
Detection Range	0.781-50ng/mL
Sensitivity	< 0.34ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Neuroserpin (NSP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Neuroserpin (NSP) 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 NSP 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 Neuroserpin (NSP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Neuroserpin (NSP). 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 Neuroserpin (NSP), 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 Neuroserpin (NSP) 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 #	4826904
NCBI GeneID	5274
NCBI Accession #	NP_005016.1
NCBI GenBank Nucleotide #	NM_005025.4
UniProt Accession #	Q99574; Q6AHZ4; A8K217; D3DNP1
Molecular Weight	46,427 Da
NCBI Official Full Name	neuroserpin
NCBI Official Synonym Full Names	serpin family I member 1
NCBI Official Symbol	SERPINI1
NCBI Official Synonym Symbols	PI12; neuroserpin
NCBI Protein Information	neuroserpin
UniProt Protein Name	Neuroserpin
UniProt Gene Name	SERPINI1
UniProt Synonym Gene Names	PI12; PI-12

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/neuroserpin-nsp/186251>