

Human Neuroserpin (NSP) ELISA Kit | NSP elisa kit

Human Neuroserpin (NSP) ELISA Kit

CATALOG #
AAA65279

REACTIVITY
Human

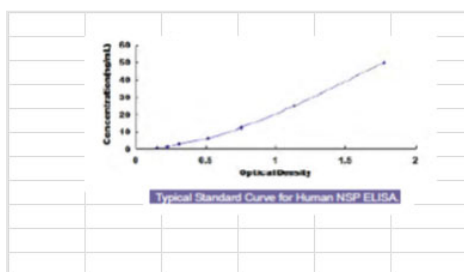
PRODUCT SYNONYMS

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 NSP. No significant cross-reactivity or interference between NSP and analogues was observed.
Sequence Length	410
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.781-50ng/mL
Sensitivity	0.33ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NSP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level NSP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NSP elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NSP in human serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NSP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 NSP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	170295807
NCBI GeneID	5274
NCBI Accession #	NP_001116224.1
NCBI GenBank Nucleotide #	NM_001122752.1
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.