

Mouse Serine protease inhibitor A3N ELISA Kit | Serpina3n elisa kit

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CATALOG #
AAA17395

REACTIVITY
Mouse

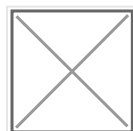
PRODUCT SYNONYMS

Serine protease inhibitor A3N; Mouse Serine protease inhibitor A3N ELISA Kit; Serpina3n/Spi2/Serine protease inhibitor A3N/Serpin A3N; Serpina3n elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Serpina3n, no obvious cross reaction with other analogues
Sequence Length	408
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Serpina3n elisa kit	Background: Serpin A3N is a serine protease inhibitor that is structurally related to alpha 1-antichymotrypsin encoded by the SERPINA3 gene. Serpin A3N is highly expressed in brain, testis, lung, thymus, and spleen. SerpinA3N is shown to be up-regulated in the dorsal root ganglia after nerve injury. SerpinA3N is also shown to attenuate activated T cell-mediated neuronal death and reduce the severity of disease in experimental autoimmune encephalomyelitis (EAE). Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti Serpina3n antibody was pre-coated onto the 96-well plate. The biotin conjugated anti Serpina3n antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with Serpina3n conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of Serpina3n in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13928716
NCBI GeneID	24795
NCBI Accession #	NP_113719.1
NCBI GenBank Nucleotide #	NM_031531.1
Molecular Weight	46,652 Da
NCBI Official Full Name	serine protease inhibitor A3N
NCBI Official Synonym Full Names	serine (or cysteine) peptidase inhibitor, clade A, member 3N
NCBI Official Symbol	Serpina3n
NCBI Official Synonym Symbols	SPI3; Spin3; CPi-26; Spin2c; Spi-2.2
NCBI Protein Information	serine protease inhibitor A3N
UniProt Protein Name	Serine protease inhibitor A3N
UniProt Gene Name	Serpina3n
UniProt Synonym Gene Names	Spin2c; Serpin A3N; SPI-3
UniProt Entry Name	SPA3N_RAT

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.