

Rat Neurocan (NCAN) ELISA Kit | NCAN elisa kit

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CATALOG #
AAA63571

REACTIVITY
Rat

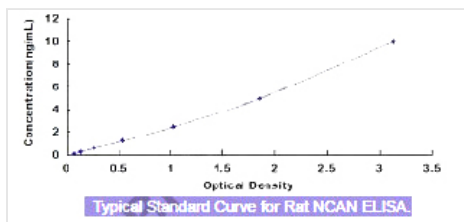
PRODUCT SYNONYMS

Neurocan (NCAN); Rat Neurocan (NCAN) ELISA Kit; CSPG3; NEUR; Neurocan Core Protein; Chondroitin Sulfate Proteoglycan 3; Neurocan Proteoglycan; NCAN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of NCAN. No significant cross-reactivity or interference between NCAN and analogues was observed.
Sequence Length	1257
Samples	Rat tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level NCAN 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 NCAN 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 NCAN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of NCAN in rat tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NCAN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NCAN. 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 NCAN, 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 NCAN 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 #	1709256
NCBI GeneID	58982
UniProt Accession #	P55067
Molecular Weight	135,545 Da
NCBI Official Full Name	Neurocan core protein
NCBI Official Synonym Full Names	neurocan
NCBI Official Symbol	Ncan
NCBI Official Synonym Symbols	Cspg3
NCBI Protein Information	neurocan core protein
UniProt Protein Name	Neurocan core protein
UniProt Gene Name	Ncan
UniProt Synonym Gene Names	Cspg3

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.