

Rat Neurocan ELISA Kit | NCAN elisa kit

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CATALOG #
AAA95445

REACTIVITY
Rat

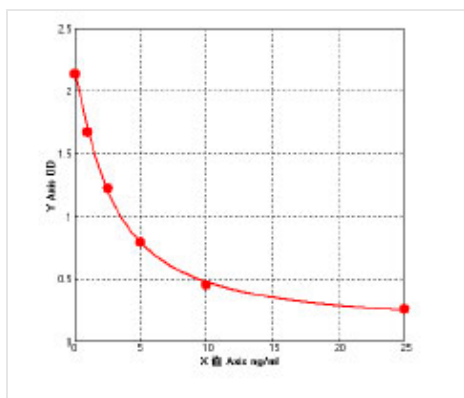
PRODUCT SYNONYMS

Neurocan; Rat Neurocan ELISA Kit; NCAN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NCAN elisa kit

Intended Uses: This NCAN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NCAN. This ELISA kit for research use only!

Principle of the Assay: NCAN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NCAN antibody and an NCAN-HRP conjugate. The assay sample and buffer are incubated together with NCAN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NCAN concentration since NCAN from samples and NCAN-HRP conjugate compete for the anti-NCAN antibody binding site. Since the number of sites is limited, as more sites are occupied by NCAN from the sample, fewer sites are left to bind NCAN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NCAN concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118600983
NCBI GeneID	1463
NCBI Accession #	NP_004377.2
NCBI GenBank Nucleotide #	NM_004386.2
Molecular Weight	143,093 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; neurocan proteoglycan; chondroitin sulfate proteoglycan 3 (neurocan)
UniProt Protein Name	Neurocan core protein
UniProt Gene Name	NCAN
UniProt Synonym Gene Names	CSPG3; NEUR
UniProt Entry Name	NCAN_HUMAN

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.