

Human NCAN/Neurocan ELISA Kit | NCAN elisa kit

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CATALOG #
AAA125837

REACTIVITY
Human

PRODUCT SYNONYMS

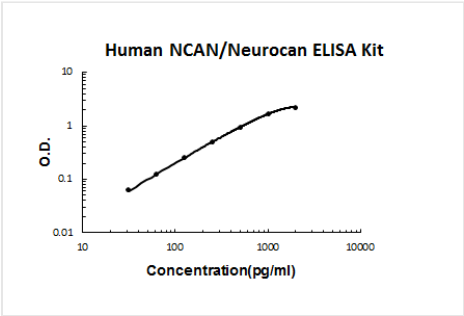
NCAN/Neurocan; Human NCAN/Neurocan ELISA Kit; CSPG3; NEUR; neurocan; NCAN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human NCAN
Samples	cell culture supernatants, serum and plasma (heparin, EDTA, citrate)
Detection Range	31.2pg/ml-2,000pg/ml
Sensitivity	<10pg/ml
Capture/Detection Antibodies	Capture antibody- a polyclonal antibody from goat Detection antibody- a biotinylated polyclonal antibody from goat
Sample Data	Concentration(pg/ml) 0 31.2 62.5 125 250 500 1000 2000 O.D. 0.022 0.087 0.147 0.273 0.513 0.979 1.684 2.251
Intra-Assay Precision	Sample 1 2 3 n 16 16 16 Mean(pg/ml) 83 221 972 Standard deviation 5.06 16.13 58.32 CV(%) 6.1% 7.3% 6%
Inter-Assay Precision	Sample 1 2 3 n 24 24 24 Mean(pg/ml) 75 236 860 Standard deviation 5.1 21.24 66.22 CV(%) 6.8% 9% 7.7%
Reproducibility	To assay reproducibility, three samples with differing target protein concentrations were assayed using four different lots. Lots: Lot 1 (pg/ml) Lot 2 (pg/ml) Lot 3 (pg/ml) Lot 4 (pg/ml) Mean (pg/ml) Standard Deviation CV (%) Sample 1: 83 91 88 85 87 4.52 5.2% Sample 2: 221 258 211 247 234 18.02 7.7% Sample 3: 972 965 933 954 956 80.30 8.4% *number of samples for each test n=16.
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen	Expression system for standard: CHO; Immunogen sequence: E23-C1321
Anticoagulant	heparin, EDTA or citrate
Principle	Human NCAN ELISA Kit is based on standard sandwich enzyme-linked immune-sorbent assay technology. A polyclonal antibody from goat specific for NCAN has been precoated onto 96-well plates. Standards(Expression system for standard: CHO, Immunogen sequence: E23-C1321) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for NCAN is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex is added and unbound conjugates are washed away with PBS or TBS buffer. HRP substrate TMB are used to visualize HRP enzymatic reaction. TMB is catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human NCAN amount of sample captured in plate.

Assay Procedure Step 1	Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human NCAN standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernatants, serum or plasma(heparin, EDTA, citrate) to each empty well. See "Sample Dilution Guideline" for details. It is recommended that each human NCAN standard solution and each sample be measured in duplicate.
TMB Incubation Time	25-30
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles. (Shipped with wet ice.)

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for NCAN elisa kit	Neurocan is a chondroitin sulfate proteoglycan thought to be involved in the modulation of cell adhesion and migration.
Product Categories/Family for NCAN elisa kit	ELISA kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	118600983
NCBI GeneID	1463
NCBI Accession #	NP_004377.2
NCBI GenBank Nucleotide #	NM_004386.2
UniProt Accession #	O14594; Q9UPK6
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ncan-neurocan/125837>