

## Mouse NCAN/Neurocan ELISA Kit | Ncan elisa kit

Mouse NCAN/Neurocan ELISA Kit

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| CATALOG #<br><b>AAA125838</b> | REACTIVITY<br><b>Mouse</b> |
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### PRODUCT SYNONYMS

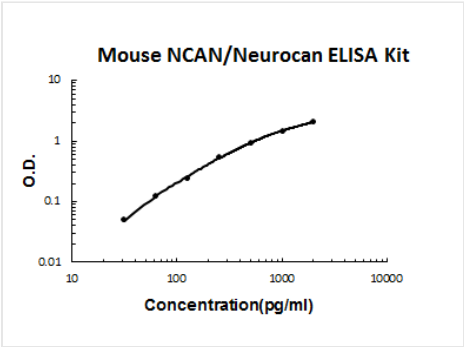
NCAN/Neurocan; Mouse NCAN/Neurocan ELISA Kit; CSPG3; NEUR; neurocan; Ncan elisa kit

### PRODUCT SPECIFICATIONS

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Reactivity                   | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Specificity                  | Natural and recombinant mouse 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<br>O.D. 0.041 0.092 0.164 0.285 0.577 0.964 1.523 2.138                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Intra-Assay Precision        | Sample 1 2 3 <br>n 16 16 16 <br>Mean(pg/ml) 90 260 985 <br>Standard deviation 3.6 10.4 53.19 <br>CV(%) 4% 4% 5.4%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Inter-Assay Precision        | Sample 1 2 3 <br>n 24 24 24 <br>Mean(pg/ml) 102 269 997 <br>Standard deviation 4.59 15.87 61.81 <br>CV(%) 4.5% 5.9% 6.2%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reproducibility              | To assay reproducibility, three samples with differing target protein concentrations were assayed using four different lots.<br>Lots: Lot 1 (pg/ml) Lot 2 (pg/ml) Lot 3 (pg/ml) Lot 4 (pg/ml) Mean (pg/ml) Standard Deviation CV (%)<br>Sample 1: 90 92 84 91 89 4.52 5.1%<br>Sample 2: 260 232 259 236 247 14.57 5.9%<br>Sample 3: 985 944 950 961 960 72.96 7.6%<br>*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: D23-D637                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Anticoagulant                | heparin, EDTA or citrate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Principle                    | Mouse 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: D23-D637) 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 mouse Ncan amount of sample captured in plate. |

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| 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 mouse 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 mouse cell culture supernatants, serum or plasma(heparin, EDTA, citrate) to each empty well. See "Sample Dilution Guideline" for details. It is recommended that each mouse 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   | <a href="#">ELISA kits</a>                                                                                              |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                          |
|----------------------------------|--------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">40789268</a>                                                 |
| NCBI GeneID                      | <a href="#">13004</a>                                                    |
| NCBI Accession #                 | <a href="#">NP_031815.2</a>                                              |
| NCBI GenBank Nucleotide #        | <a href="#">NM_007789.3</a>                                              |
| UniProt Accession #              | <a href="#">P55066</a> ; <a href="#">Q6P1E3</a> ; <a href="#">Q8C4F8</a> |
| Molecular Weight                 | 137,200 Da                                                               |
| NCBI Official Full Name          | neurocan core protein                                                    |
| NCBI Official Synonym Full Names | neurocan                                                                 |
| NCBI Official Symbol             | Ncan                                                                     |
| NCBI Official Synonym Symbols    | Cspg3; Tgfbt; Cspg3-rs; C230035B04                                       |
| NCBI Protein Information         | neurocan core protein                                                    |
| UniProt Protein Name             | Neurocan core protein                                                    |
| UniProt Gene Name                | <b>Ncan</b>                                                              |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/ncan-neurocan/125838>