

## Rat Neural Cell Adhesion Molecule ELISA Kit | NCAM elisa kit

Rat Neural Cell Adhesion Molecule ELISA Kit

CATALOG #  
**AAA96193**

REACTIVITY  
**Rat**

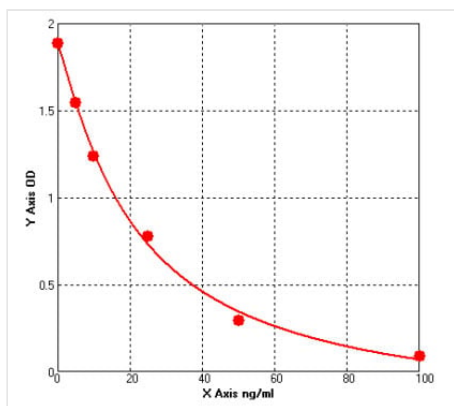
### PRODUCT SYNONYMS

Neural Cell Adhesion Molecule; Rat Neural Cell Adhesion Molecule ELISA Kit; NCAM elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of NCAM. No significant cross-reactivity or interference between NCAM and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NCAM and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                 |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Sensitivity             | 1.0 ng/mL                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for NCAM elisa kit | <p>Principle of the Assay: NCAM ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NCAM antibody and an NCAM-HRP conjugate. The assay sample and buffer are incubated together with NCAM-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 NCAM concentration since NCAM from samples and NCAM-HRP conjugate compete for the anti-NCAM antibody binding site. Since the number of sites is limited, as more sites are occupied by NCAM from the sample, fewer sites are left to bind NCAM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NCAM concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This NCAM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat NCAM. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 241117                                                                                                                 |
| NCBI GeneID                      | 4684                                                                                                                   |
| Molecular Weight                 | 40,760 Da                                                                                                              |
| NCBI Official Full Name          | neural cell adhesion molecule, partial                                                                                 |
| NCBI Official Synonym Full Names | neural cell adhesion molecule 1                                                                                        |
| NCBI Official Symbol             | NCAM1                                                                                                                  |
| NCBI Official Synonym Symbols    | CD56; NCAM; MSK39                                                                                                      |
| NCBI Protein Information         | neural cell adhesion molecule 1; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal antibody 5.1H11 |
| UniProt Protein Name             | Neural cell adhesion molecule 1                                                                                        |
| UniProt Gene Name                | NCAM1                                                                                                                  |
| UniProt Synonym Gene Names       | NCAM; N-CAM-1; NCAM-1                                                                                                  |
| UniProt Entry Name               | NCAM1_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/ncam-rat-elisa-kits/neural-cell-adhesion-molecule/96193>