

## Nephrin ELISA Kit | NPHS1 elisa kit

Human Nephrin PicoKine ELISA Kit

CATALOG #  
**AAA125122**

REACTIVITY  
**Human**There is no detectable cross-reactivity with other relevant proteins.

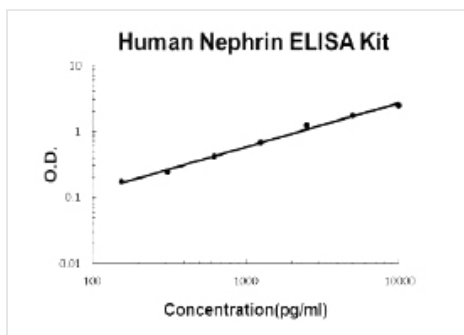
### PRODUCT SYNONYMS

Nephrin; Human Nephrin PicoKine ELISA Kit; Human Nephrin; Renal glomerulus-specific cell adhesion receptor; NPHS1; NPHN; NPHS1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human<br>There is no detectable cross-reactivity with other relevant proteins.                                                                       |
| Specificity             | Natural and recombinant Human NCAM1                                                                                                                  |
| Sequence Length         | 1,201                                                                                                                                                |
| Samples                 | Cell Culture Supernates, Cell Lysates, Serum And Plasma (Heparin, Edta)                                                                              |
| Detection Range         | 156pg/ml-10000pg/ml                                                                                                                                  |
| Sensitivity             | <10pg/ml                                                                                                                                             |
| Intra-assay Precision   | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision     |
| Inter-assay Precision   | Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months. Store at -20 degree C for 12 months.<br>Avoid multiple freeze-thaw cycles.                                         |

### IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Related Product Information for NPHS1 elisa kit</b> | <p>Principle of the Assay: The Picokine Human NCAM1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human NCAM1 with a 96-well strip plate that is pre-coated with antibody specific for NCAM1. The detection antibody is a biotinylated antibody specific for NCAM1. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human NCAM1 with immunogen: Expression system for standard: NSO; Immunogen sequence: L20-G718. The kit is analytically validated with ready to use reagents. To measure Human NCAM1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human NCAM1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human NCAM1 in the sample!!Background/Introduction: Neural Cell Adhesion Molecule, NCAM, also known as the cluster of differentiation CD56, is a hemophilic binding glycoprotein. It is a glycoprotein of Immunoglobulin(Ig) super family. At least 27 alternatively spliced NCAM mRNAs are produced, giving a wide diversity of NCAM isoforms NCAM gene is located at 11q22-q23. This glycoprotein is mainly expressed on the surface of neurons, glia, skeletal muscle and natural killer cells. NCAM has been implicated as having a role in cell-cell adhesion, neurite outgrowth, synaptic plasticity, and learning and memory.</p> |
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## NCBI AND UNIPROT INFORMATION

|                                  |                        |
|----------------------------------|------------------------|
| NCBI GI #                        | 4758822                |
| NCBI GeneID                      | 4868                   |
| NCBI Accession #                 | NP_004637.1            |
| NCBI GenBank Nucleotide #        | NM_004646.3            |
| UniProt Accession #              | O60500; A6NDH2; C3RX61 |
| Molecular Weight                 | 130,546 Da             |
| NCBI Official Full Name          | nephrin                |
| NCBI Official Synonym Full Names | NPHS1, nephrin         |
| NCBI Official Symbol             | NPHS1                  |
| NCBI Official Synonym Symbols    | CNF; NPHN; nephrin     |
| NCBI Protein Information         | nephrin                |
| UniProt Protein Name             | Nephrin                |
| UniProt Gene Name                | <b>NPHS1</b>           |
| UniProt Synonym Gene Names       | NPHN                   |

**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/nphs1-human-elisa-kits/nephrin/125122>