

## Chicken Nephrin ELISA Kit | NPHS1 elisa kit

Chicken Nephrin ELISA Kit

CATALOG #  
**AAA91023**

REACTIVITY  
**Chicken**

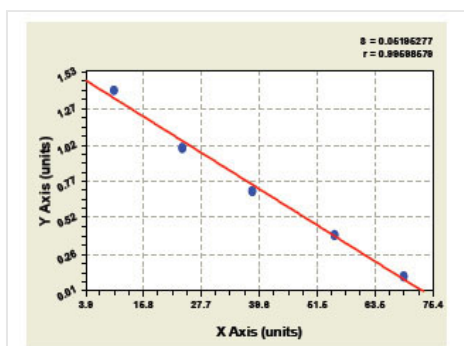
### PRODUCT SYNONYMS

Nephrin; Chicken Nephrin ELISA Kit; NPHS1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Chicken                                                                                                                                                                                        |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                     |
| Assay Type              | Competitive                                                                                                                                                                                    |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                                     |
| Intended Uses           | This NEPHRIN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken NEPHRIN. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C                                                                                                                                                             |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

Related Product Information for NPHS1 elisa kit

**Principle of the Assay:** NEPHRIN ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NEPHRIN antibody and an NEPHRIN-HRP conjugate. The assay sample and buffer are incubated together with NEPHRIN-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 NEPHRIN concentration since NEPHRIN from samples and NEPHRIN-HRP conjugate compete for the anti-NEPHRIN antibody binding site. Since the number of sites is limited, as more sites are occupied by NEPHRIN from the sample, fewer sites are left to bind NEPHRIN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NEPHRIN concentration in each sample is interpolated from this standard curve.

Product Categories/Family for NPHS1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 10441644                                                  |
| NCBI GeneID                      | 4868                                                      |
| UniProt Accession #              | O60500; A6NDH2; C3RX61                                    |
| Molecular Weight                 | 134,742 Da                                                |
| NCBI Official Full Name          | nephrin                                                   |
| NCBI Official Synonym Full Names | nephrosis 1, congenital, Finnish type (nephrin)           |
| NCBI Official Symbol             | NPHS1                                                     |
| NCBI Official Synonym Symbols    | CNF; NPHN; nephrin                                        |
| NCBI Protein Information         | nephrin; renal glomerulus-specific cell adhesion receptor |
| UniProt Protein Name             | Nephrin                                                   |
| UniProt Gene Name                | <b>NPHS1</b>                                              |
| UniProt Synonym Gene Names       | NPHN                                                      |
| UniProt Entry Name               | NPHN_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/chicken-elisa-kits/nephrin/91023>