

Human Nephrin (Anti-NPHN) ELISA Kit | Anti-NPHN elisa kit

Human Nephrin (Anti-NPHN)(Competitive ELISA) Anti-antigen ELISA Kit

CATALOG #
AAA152481

REACTIVITY
Human

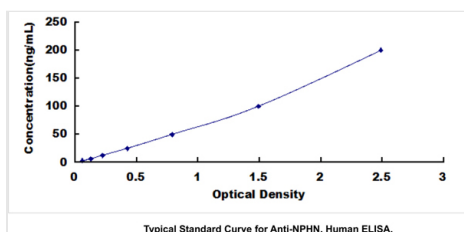
PRODUCT SYNONYMS

Nephrin (Anti-NPHN); Human Nephrin (Anti-NPHN)(Competitive ELISA) Anti-antigen ELISA Kit; ELISA Kit for Anti-Nephren Antibody (Anti-NPHN); NPHS1; CNF; Nephrosis 1; Congenital Finnish Type; Renal glomerulus-specific cell adhesion receptor; Anti-NPHN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Anti-NPHN. No significant cross-reactivity or interference between Anti-NPHN and analogues was observed.
Samples	Human serum, plasma and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.22ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-NPHN were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Anti-NPHN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Anti-NPHN elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with NPHN. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-NPHN will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Anti-NPHN in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is an enzyme immunoassay for in vitro quantitative measurement of Anti-NPHN in human serum, plasma and other biological fluids.
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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	NPHS1
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.