

Mouse Nephrin (NPHN) ELISA Kit | NPHN elisa kit

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CATALOG #
AAA65505

REACTIVITY
Mouse

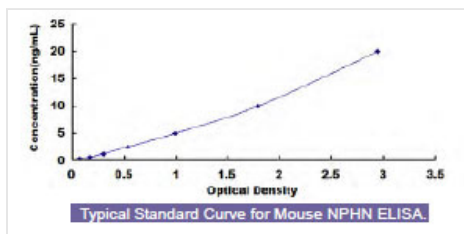
PRODUCT SYNONYMS

Nephrin (NPHN); Mouse Nephrin (NPHN) ELISA Kit; NPHS1; CNF; Nephrosis 1; Congenital Finnish Type; Renal glomerulus-specific cell adhesion receptor; NPHN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of NPHN. No significant cross-reactivity or interference between NPHN and analogues was observed.
Sequence Length	1256
Samples	Urine, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.123ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 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 NPHN were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPHN elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of NPHN in mouse urine, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to NPHN. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to NPHN. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain NPHN, biotin-conjugated antibody and enzyme-conjugated Avidin 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 NPHN in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	120586997
NCBI GeneID	54631
NCBI Accession #	NP_062332.2
NCBI GenBank Nucleotide #	NM_019459.2
UniProt Accession #	Q9QZS7; Q811S5; Q925S5; Q9ESC6; Q9ET59; Q9JIX1; D2KXA7
Molecular Weight	135,352 Da
NCBI Official Full Name	nephrin
NCBI Official Synonym Full Names	nephrosis 1, nephrin
NCBI Official Symbol	Nphs1
NCBI Official Synonym Symbols	nephrin; NephrinB
NCBI Protein Information	nephrin
UniProt Protein Name	Nephrin
UniProt Gene Name	Nphs1
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.