

Rabbit Nephrin ELISA Kit | NPHS1 elisa kit

Rabbit Nephrin ELISA Kit

CATALOG #
AAA84703

REACTIVITY
Rabbit

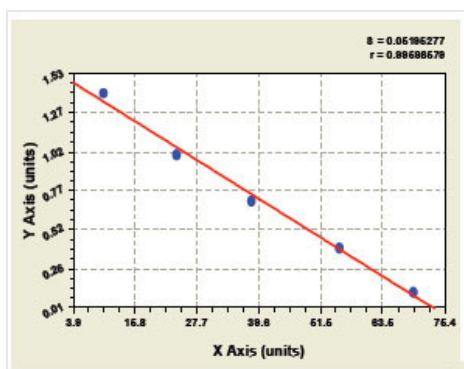
PRODUCT SYNONYMS

Nephrin; Rabbit Nephrin ELISA Kit; NPHS1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
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 Rabbit 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	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.

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Online datasheet: <https://stage.aaabiotech.com/rabbit-elisa-kits/nephrin/84703>