

Guinea Pig Nephrin ELISA Kit | Nephrin elisa kit

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CATALOG #
AAA85949

REACTIVITY
Guinea Pig

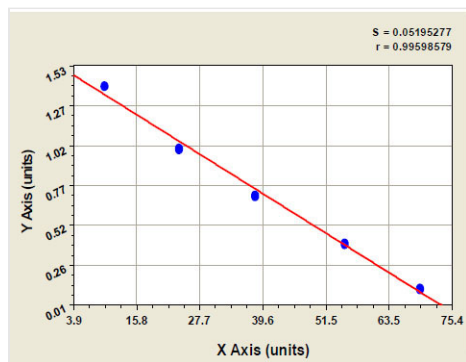
PRODUCT SYNONYMS

Nephrin; Guinea pig Nephrin ELISA Kit; Nephrin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This NEPHRIN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig 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 Nephrin 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10441644
NCBI GeneID	4868
Molecular Weight	130,546 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/guinea-pig-pig-elisa-kits/nephrin/85949>