





## Rat Nephrin ELISA Kit

Product Code         CSB-E13957r           Abbreviation         NPHS1           Protein Biological Process 1         Cell Adhesion           Target Name         nephrosis 1, congenital, Finnish type (nephrin)           Uniprot No.         Q9R044           Alias         CNF, NPHN, nephrin, nephrin renal glomerulus-specific cell adhesion receptor           Product Type         ELISA Kit           Immunogen Species         Rattus norvegicus (Rat)           Protein Biological Process 3         Cell adhesion           Sample Types         serum, plasma, tissue homogenates           Detection Range         1.25 ng/mL-80 ng/mL           Sensitivity         0.312 ng/mL           Assay Time         1-5h           Sample Volume         50-100ul           Detection Wavelength         450 nm           Lead Time         3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.           Research Area         Signal Transduction           Gene Names         Nphs1           Tag Info         quantitative           Protein Description         Sandwich           Description         This Rat NPHS1 ELISA Kit was designed for the quantitative measurement of Rat NPHS1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 1.25		
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Linearity





To assess the linearity of the assay, samples were spiked with high concentrations of rat Nephrin in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

Sample	Serum(n=4)
Average %	91
Range %	86-95
Average %	95
Range %	91-98
Average %	95
Range %	81-89
Average %	100
Range %	97-103
	Average % Range % Average % Range % Average % Average % Average %

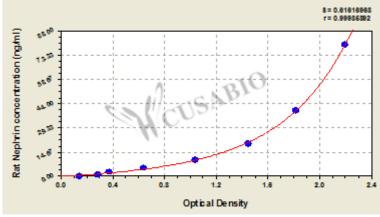
## Recovery

The recovery of rat Nephrin spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	101	97-105
EDTA plasma (n=4)	98	95-102

## **Typical**

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml OD1 OD2 Average Corrected

80	2.215 2.194 2.205	2.049	
40	1.846 1.804 1.825	1.669	
20	1.444 1.468 1.456	1.300	
10	1.033 1.068 1.051	0.895	
5	0.634 0.671 0.653	0.497	
2.5	0.373 0.398 0.386	0.230	
1.25	0.297 0.298 0.298	0.142	
0	0 154 0 157 0 156		

Msds

{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-E13957r.pdf", "filename": "MSDS"}}