

Human Cystin-1 (CYS1) ELISA Kit

Catalog No: #EK11627



Package Size: #EK11627-1 48T #EK11627-2 96T

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Support: tech@signalwayantibody.com

Description

Product Name	Human Cystin-1 (CYS1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	FLJ33980;
Accession No.	Q717R9
Uniprot	Q717R9
GeneID	192668;
Storage	<p>The stability of ELISA 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.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.061 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate CYS1 in samples. An antibody specific for CYS1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyCYS1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for CYS1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of CYS1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Cystin 1 Expressed at high levels in the kidney and pancreas. Moderate expression seen in the skeletal muscle, liver and heart. A weak expression seen in the brain, lung, uterus, prostate, testis, small intestine and colonVarious strains of mice that are homozygous for the cpk gene display renal pathology similar to that seen in human ARPKD. The PKD progresses to renal insufficiency, azotemia, and ultimately a uremic death by approximately 3 wk of age. The BALB/c-cpk/cpk murine model displays renal as well as extrarenal pathology similar to that found in human ARPKD. Renal mRNA expression of EGF is diminished in this mouse model. EGF treatment did not prevent renal failure but ameliorated pathologic changes in the kidney and the biliary ducts of the BALB/c-cpk/cpk mouse..

Note: This product is for in vitro research use only