

Mouse Polycystin-1 (PKD1) ELISA Kit

Catalog No: #EK8491



Package Size: #EK8491-1 48T #EK8491-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Polycystin-1 (PKD1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	PBP; Pc-1; TRPP1; polycystic kidney disease-associated protein polycystin 1 transient receptor potential cation channel; subfamily P; member 1
Accession No.	O08852
Uniprot	O08852
GenID	18763;
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:31.25-2000 pg/mL

Sensitivity:7.81 pg/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 PKD1 in samples. An antibody specific for PKD1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPKD1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PKD1 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 PKD1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Polycystin-1 is a protein that in humans is encoded by the PKD1 gene.Splice variants encoding different isoforms have been noted for PKD1. The gene is closely linked to six pseudogenes in a known duplicated region on chromosome 16p.Polycystin-1 is a glycoprotein which contains a large N-terminal extracellular region, multiple transmembrane domains and a cytoplasmic C-tail. It may function as an integral membrane protein involved in cell-cell/matrix interactions, and may modulate intracellular calcium homeostasis and other signal-transduction pathways. It plays a role in renal tubular development, and mutations in this gene have been associated with autosomal dominant polycystic kidney disease.

Note: This product is for in vitro research use only