

Human Polycystin-1 ELISA Kit | PKD1 elisa kit

Human Polycystin-1 (PKD1) ELISA Kit

CATALOG #
AAA55591

REACTIVITY
Human

PRODUCT SYNONYMS

Polycystin-1; Human Polycystin-1 (PKD1) ELISA Kit; PKD1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PKD1. No significant cross-reactivity or interference between Human PKD1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.156 ng/mL - 10 ng/mL
Sensitivity	0.1 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for PKD1 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PKD1 in Human serum, plasma. An antibody specific for PKD1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PKD1 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.

Intended Uses: For the quantitative detection of Human Polycystin-1 (PKD1) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	205360962
NCBI GeneID	5310
NCBI Accession #	NP_000287.3
NCBI GenBank Nucleotide #	NM_000296.3
UniProt Accession #	P98161; Q15140; Q15141
Molecular Weight	462,401 Da

NCBI Official Full Name	polycystin-1 isoform 2
NCBI Official Synonym Full Names	polycystin 1, transient receptor potential channel interacting
NCBI Official Symbol	PKD1
NCBI Official Synonym Symbols	PBP; PC1; Pc-1; TRPP1
NCBI Protein Information	polycystin-1
UniProt Protein Name	Polycystin-1
UniProt Gene Name	PKD1
UniProt Synonym Gene Names	PC1

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://www.aaabiotech.com/pkd1-human-elisa-kits/polycystin-1/55591>