

Human Polycystin-2 ELISA Kit | PKD2 elisa kit

Human Polycystin-2 (PKD2) ELISA Kit

CATALOG #
AAA55684

REACTIVITY
Human

PRODUCT SYNONYMS

Polycystin-2; Human Polycystin-2 (PKD2) ELISA Kit; PKD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human PKD2. No significant cross-reactivity or interference between Human PKD2 and analogues was observed.
Sequence Length	968
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	62.5 pg/mL - 4000 pg/mL
Sensitivity	20.8 pg/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 PKD2 elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PKD2 in Human serum, plasma. An antibody specific for PKD2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PKD2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PKD2 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 PKD2 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-2 (PKD2) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505835
NCBI GeneID	5311
NCBI Accession #	NP_000288.1
NCBI GenBank Nucleotide #	NM_000297.3
UniProt Accession #	Q13563; O60441; Q15764; Q2M1Q3; Q2M1Q5

Molecular Weight	98,838 Da
NCBI Official Full Name	polycystin-2
NCBI Official Synonym Full Names	polycystin 2, transient receptor potential cation channel
NCBI Official Symbol	PKD2
NCBI Official Synonym Symbols	PC2; PKD4; Pc-2; APKD2; TRPP2
NCBI Protein Information	polycystin-2
UniProt Protein Name	Polycystin-2
UniProt Gene Name	PKD2
UniProt Synonym Gene Names	PC2

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/pkd2-human-elisa-kits/polycystin-2/55684>