

Human GCK (Glucokinase) CLIA Kit | GCK clia kit

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CATALOG #
AAA170822

REACTIVITY
Human

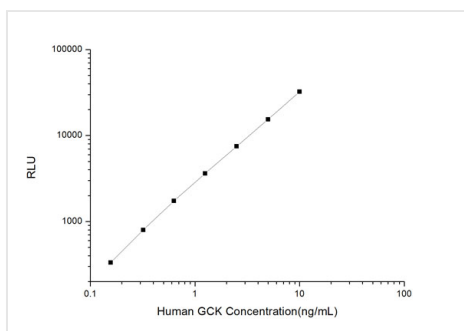
PRODUCT SYNONYMS

GCK (Glucokinase); Human GCK (Glucokinase) CLIA Kit; GCK clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant GCK. No significant cross-reactivity or interference between GCK and analogues was observed.
Sequence Length	458
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	Min: 0.094ng/mL; Max: 10ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCK clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of GCK concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to GCK. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for GCK and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain GCK, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of GCK. You can calculate the concentration of GCK in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	156717562
NCBI GeneID	100124905
NCBI Accession #	NP_001096321.1
NCBI GenBank Nucleotide #	NM_001102851.1
NCBI Official Full Name	glucokinase
NCBI Official Synonym Full Names	glucokinase (hexokinase 4)
NCBI Official Symbol	gck
NCBI Official Synonym Symbols	glk; hk4; hhf3; hkiv; hxkp; mody2; glucokinase
NCBI Protein Information	glucokinase

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/human-clia-kits/gck-glucokinase/170822>