

Human Glucokinase (GCK) CLIA Kit | GCK clia kit

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CATALOG #
AAA140990

REACTIVITY
Human

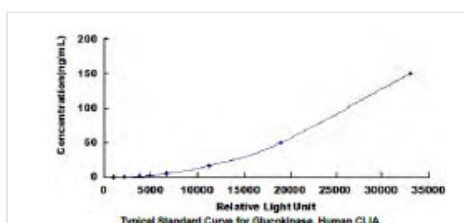
PRODUCT SYNONYMS

Glucokinase (GCK); Human Glucokinase (GCK) CLIA Kit; GK; GLK; HHF3; HK4; HKIV; HXKP; MODY2; Hexokinase-D; Hexokinase 4; Maturity Onset Diabetes Of The Young 2; GCK clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Glucokinase (GCK). No significant cross-reactivity or interference between Glucokinase (GCK) and analogues was observed.
Sequence Length	458
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.21-150ng/mL
Sensitivity	0.08ng/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Glucokinase (GCK) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Glucokinase (GCK) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCK clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Glucokinase (GCK). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Glucokinase (GCK). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Glucokinase (GCK) level in the sample or standard.;
Product Categories/Family for GCK clia kit	Enzyme & Kinase; Metabolic pathway; Endocrinology; Nutrition metabolism

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

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://stage.aaabiotech.com/human-clia-kits/glucokinase-gck/140990>