

Human Glucokinase (GCK) RTU ELISA Kit | GCK rtu elisa kit

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CATALOG #
AAA70835

REACTIVITY
Human

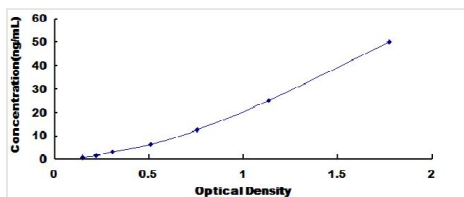
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	465
Assay Type	Sandwich
Samples	Tissue Homogenates or Other Biological Fluids.
Detection Range	0.781-50ng/mL
Sensitivity	0.23ng/mL
RTU ELISA Kit's Advantage	The Ready-To-Use (RTU) Kits require fewer steps in setup and take less time to run. Detection Solutions are pre-diluted and total incubation time is shorter than many other ELISA Kits.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCK rtu elisa kit

Test Principle: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GCK. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to GCK. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain GCK, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm $\pm$ 10nm. The concentration of GCK in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503951
NCBI GeneID	2645
NCBI Accession #	NP_000153.1
NCBI GenBank Nucleotide #	NM_000162.4
UniProt Accession #	P35557; Q05810; A4D2J2; A4D2J3
Molecular Weight	52,035 Da
NCBI Official Full Name	glucokinase isoform 1
NCBI Official Synonym Full Names	glucokinase
NCBI Official Symbol	GCK
NCBI Official Synonym Symbols	GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3
NCBI Protein Information	glucokinase
UniProt Protein Name	Glucokinase
UniProt Gene Name	GCK
UniProt Synonym Gene Names	HK IV; HK4

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-rtu-elisa-kits/glucokinase-gck/70835>