

Human Glucokinase ELISA Kit | GCK elisa kit

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CATALOG #
AAA86096

REACTIVITY
Human

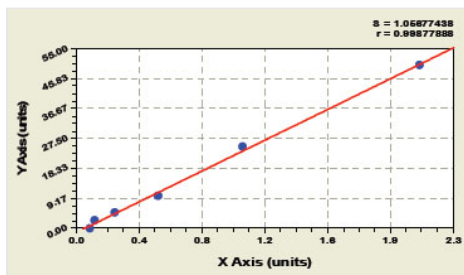
PRODUCT SYNONYMS

Glucokinase; Human Glucokinase ELISA Kit; GCK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This GCK ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GCK. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for GCK elisa kit

Principle of the assay: GCK ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for GCK. Standards or samples are then added to the microtiter plate wells and GCK if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of GCK present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for GCK are added to each well to "sandwich" the GCK immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain GCK and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GCK concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7110599
NCBI GeneID	24385
NCBI Accession #	NP_036697.1
NCBI GenBank Nucleotide #	NM_012565.2
Molecular Weight	51,919 Da
NCBI Official Full Name	glucokinase isoform 2
NCBI Official Synonym Full Names	glucokinase
NCBI Official Symbol	Gck
NCBI Official Synonym Symbols	GLUKA; RNGK2
NCBI Protein Information	glucokinase; HK4; HK IV; hexokinase-4; hexokinase-D; hexokinase type IV; glucokinase variant 3
UniProt Protein Name	Glucokinase
UniProt Gene Name	Gck
UniProt Synonym Gene Names	HK IV; HK4
UniProt Entry Name	HXK4_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gck-human-elisa-kits/glucokinase/86096>