

Human glucokinase, GCK ELISA Kit | GCK elisa kit

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CATALOG #
AAA42522

REACTIVITY
Human

PRODUCT SYNONYMS

glucokinase; GCK; Human glucokinase; GCK ELISA Kit; GCK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	465
Samples	Serum, plasma, cell culture supernates, cell lysates, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	0.5ng/ml - 150ng/ml
Sensitivity	0.27ng/ml
Intra-Assay	CV<8%
Inter-Assay	CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCK elisa kit

Intended Uses: This sandwich kit is for the accurate quantitative detection of human Glucokinase (also known as GCK) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

Principles of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with human GCK antibody. GCK present in the sample is added and binds to antibodies coated on the wells. And then biotinylated human GCK Antibody is added and binds to GCK in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated GCK antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of human GCK. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982798
NCBI GeneID	103988
NCBI Accession #	NP_034422.2
NCBI GenBank Nucleotide #	NM_010292.5
UniProt Accession #	P52792; P52791
Molecular Weight	51,886 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; HKIV; HXKP; Hlb62; MODY2; GlS006
NCBI Protein Information	glucokinase
UniProt Protein Name	Glucokinase
UniProt Gene Name	Gck
UniProt Synonym Gene Names	Gk; 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-elisa-kits/glucokinase-gck/42522>