

Rat GCK ELISA Kit | GCK elisa kit

Rat GCK (Glucokinase) ELISA Kit

CATALOG #
AAA165264

REACTIVITY
Rat

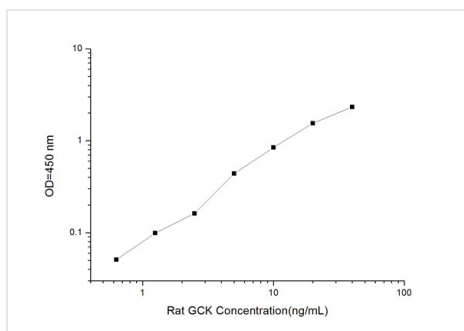
PRODUCT SYNONYMS

GCK; Rat GCK (Glucokinase) ELISA Kit; GCK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat GCK. No significant cross-reactivity or interference between Rat GCK and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat GCK and all the analogues, therefore, cross reaction may still exist.
Sequence Length	464
Samples	Serum, Plasma, Biological Fluids
Assay Type	Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	Min: 0.375ng/mL; Max: 40ng/mL
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GCK elisa kit	Description: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of GCK in Rat serum, plasma and other biological fluids Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat GCK. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat 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 Rat GCK, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat GCK. You can calculate the concentration of Rat GCK in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15967161
NCBI GeneID	2645
NCBI Accession #	NP_277043.1
NCBI GenBank Nucleotide #	NM_033508.1
UniProt Accession #	P35557; Q05810; A4D2J2; A4D2J3
Molecular Weight	52,035 Da
NCBI Official Full Name	glucokinase isoform 3
NCBI Official Synonym Full Names	glucokinase (hexokinase 4)
NCBI Official Symbol	GCK
NCBI Official Synonym Symbols	GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3
NCBI Protein Information	glucokinase; ATP:D-hexose 6-phosphotransferase; HK IV; hexokinase D, pancreatic isozyme; hexokinase type IV; hexokinase-4; hexokinase-D
UniProt Protein Name	Glucokinase
UniProt Gene Name	GCK
UniProt Synonym Gene Names	HK IV; HK4
UniProt Entry Name	HXK4_HUMAN

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.