

GuineaPig Hexokinase 2 ELISA Kit | HK2 elisa kit

Guinea Pig Hexokinase 2 ELISA Kit

CATALOG #
AAA87324

REACTIVITY
GuineaPig

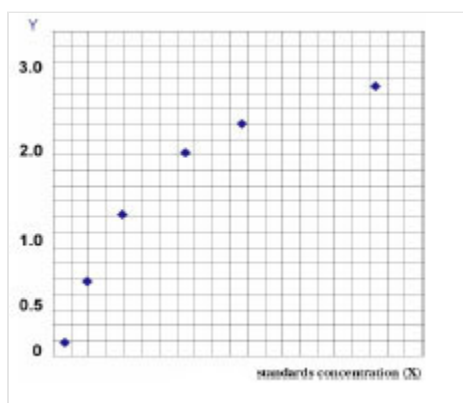
PRODUCT SYNONYMS

Hexokinase 2; Guinea Pig Hexokinase 2 ELISA Kit; Guinea Pig Hexokinase ELISA Kit; Guinea Pig Pig Hexokinase 2 ELISA Kit; Hexokinase 2 (Guinea Pig Pig); HK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	GuineaPig
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HK2 elisa kit

Intended Uses: This HK ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of HK in the sample, this HK ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus HK concentration. The concentration of HK in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	15553127
NCBI GeneID	3099
NCBI Accession #	NP_000180.2
NCBI GenBank Nucleotide #	NM_000189.4
UniProt Accession #	P52789; Q8WU87; Q9UN82; D6W5J2; Q09LL6; Q53QX9; Q53SG7; Q68E10; Q7Z7Q6
Molecular Weight	102,380 Da
NCBI Official Full Name	hexokinase-2
NCBI Official Synonym Full Names	hexokinase 2
NCBI Official Symbol	HK2
NCBI Official Synonym Symbols	HKII; HXK2; DKFZp686M1669
NCBI Protein Information	hexokinase-2; HK II; OTTHUMP00000160433; OTTHUMP00000202738; hexokinase type II; hexokinase-2, muscle; muscle form hexokinase
UniProt Protein Name	Hexokinase-2
UniProt Gene Name	HK2
UniProt Entry Name	HXK2_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.