

Guinea Pig Hexokinase 3 ELISA Kit | HK3 elisa kit

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CATALOG #
AAA83538

REACTIVITY
Guinea Pig

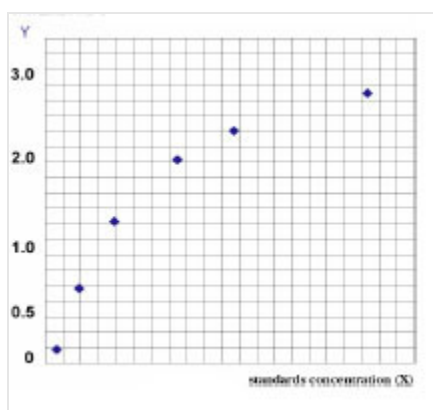
PRODUCT SYNONYMS

Hexokinase 3; Guinea pig Hexokinase 3 ELISA Kit; HK3 elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HK3 elisa kit

Intended Uses: This HK3 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 HK3 in the sample, this HK3 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 HK3 concentration. The concentration of HK3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: This HK3 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 HK3. Standards or samples are then added to the microtiter plate wells and HK3 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of HK3 present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for HK3 are added to each well to "sandwich" the HK3 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 HK3 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 #	194097330
NCBI GeneID	3101
NCBI Accession #	NP_002106.2
NCBI GenBank Nucleotide #	NM_002115.2
Molecular Weight	99,025 Da
NCBI Official Full Name	hexokinase-3
NCBI Official Synonym Full Names	hexokinase 3 (white cell)
NCBI Official Symbol	HK3
NCBI Official Synonym Symbols	HXK3; HKIII
NCBI Protein Information	hexokinase-3; HK III; hexokinase type III; ATP:D-hexose 6-phosphotransferase
UniProt Protein Name	Hexokinase-3
UniProt Gene Name	HK3
UniProt Synonym Gene Names	HK III
UniProt Entry Name	HXK3_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.