

Human Hexokinase ELISA Kit | HK elisa kit

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CATALOG #
AAA87079

REACTIVITY
Human

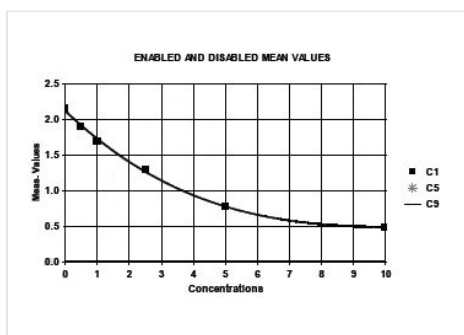
PRODUCT SYNONYMS

Hexokinase; Human Hexokinase ELISA Kit; HK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This HBP ELISA kit is intended for laboratory 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 HBP in the sample, this HBP 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 HBP concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HK elisa kit	Principle of the Assay: HK ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HK antibody and an HK-HRP conjugate. The assay sample and buffer are incubated together with HK-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HK concentration since HK from samples and HK-HRP conjugate compete for the anti-HK antibody binding site. Since the number of sites is limited, as more sites are occupied by HK from the sample, fewer sites are left to bind HK-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HK concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15235722
NCBI GeneID	829940
NCBI Accession #	NP_195497.1
NCBI GenBank Nucleotide #	NM_119945.1
Molecular Weight	54,241 Da
NCBI Official Full Name	hexokinase-like 3
NCBI Official Symbol	HKL3
NCBI Official Synonym Symbols	hexokinase-like 3; HKL3; T28I19.120; T28I19_120
NCBI Protein Information	hexokinase-like 3
UniProt Protein Name	Probable hexokinase-like 2 protein
UniProt Entry Name	HXKL2_ARATH

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.