

Human Hexokinase-1 ELISA Kit | HK1 elisa kit

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CATALOG #
AAA102449

REACTIVITY
Human

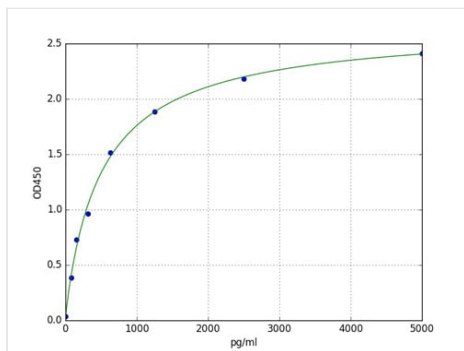
PRODUCT SYNONYMS

Hexokinase-1; Human Hexokinase-1 ELISA Kit; HK1 (Hexokinase-1)/Brain form hexokinase/Hexokinase type I/HK I; HK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	917
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Human Hexokinase-1 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	pg/ml	0	78	156	312.5	625	1250	2500	5000
Y	OD450	0.036	0.102	0.163	0.283	0.482	0.894	1.542	2.293

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HK1 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human Hexokinase-1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human Hexokinase-1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human Hexokinase-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human Hexokinase-1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	188497754
NCBI GeneID	3098
NCBI Accession #	NP_000179.2
NCBI GenBank Nucleotide #	NM_000188.2
Molecular Weight	101,085 Da
NCBI Official Full Name	hexokinase-1 isoform HKI
NCBI Official Synonym Full Names	hexokinase 1
NCBI Official Symbol	HK1
NCBI Official Synonym Symbols	HKD; HKI; HXK1; HMSNR; HK1-ta; HK1-tb; HK1-tc
NCBI Protein Information	hexokinase-1
UniProt Protein Name	Hexokinase-1
UniProt Gene Name	HK1
UniProt Synonym Gene Names	HK I
UniProt Entry Name	HXK1_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.

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Online datasheet: <https://stage.aaabiotech.com/hk1-human-elisa-kits/hexokinase-1/102449>