

Mouse Hexokinase 1 ELISA Kit | HK1 elisa kit

Mouse Hexokinase 1 (HK1) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA189908

REACTIVITY
Mouse

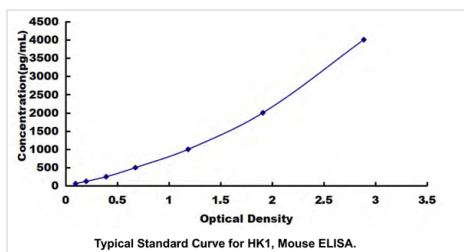
PRODUCT SYNONYMS

Hexokinase 1; Mouse Hexokinase 1 (HK1) (Sandwich ELISA) ELISA Kit; HK1-Ta; HK1-Tb; HK1-Tc; HKI; HXK1; Brain form hexokinase; ELISA Kit for Hexokinase 1 (HK1); HK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of HK1. No significant cross-reactivity or interference between HK1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	< 28.7pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HK1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HK1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HK1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to HK1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to HK1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HK1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of HK1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HK1 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for HK1 elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	568966719
NCBI GeneID	15275
NCBI Accession #	XP_006513305.1
NCBI GenBank Nucleotide #	XM_006513242.1
UniProt Accession #	P17710; Q61659; Q64476; Q64479; E9PXQ3
Molecular Weight	102,637 Da
NCBI Official Full Name	hexokinase-1 isoform X1
NCBI Official Synonym Full Names	hexokinase 1
NCBI Official Symbol	Hk1
NCBI Official Synonym Symbols	dea; Hk-1; Hk1-s; mHk1-s; BB404130
NCBI Protein Information	hexokinase-1
UniProt Protein Name	Hexokinase-1
UniProt Gene Name	HK1
UniProt Synonym Gene Names	HK I
UniProt Entry Name	HXK1_MOUSE

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.