

Goat Hexokinase 1 ELISA Kit | HK1 elisa kit

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CATALOG #
AAA92647

REACTIVITY
Goat

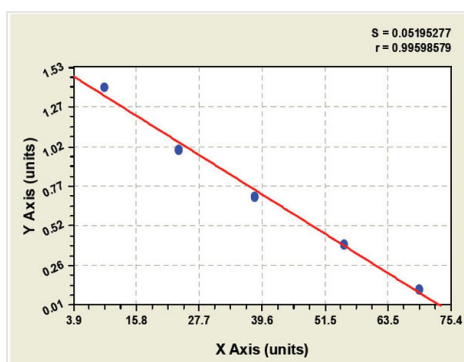
PRODUCT SYNONYMS

Hexokinase 1; Goat Hexokinase 1 ELISA Kit; HK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HK1 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This HK1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat HK1. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY HK1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HK1 antibody and an HK1-HRP conjugate. The assay sample and buffer are incubated together with HK1-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 HK1 concentration since HK1 from samples and HK1-HRP conjugate compete for the anti-HK1 antibody binding site. Since the number of sites is limited, as more sites are occupied by HK1 from the sample, fewer sites are left to bind HK1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HK1 concentration in each sample is interpolated from this standard curve.

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; HK I; glycolytic enzyme; hexokinase type I; brain form hexokinase
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.