

Goat Hexokinase 3 ELISA Kit | HK3 elisa kit

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CATALOG #
AAA96368

REACTIVITY
Goat

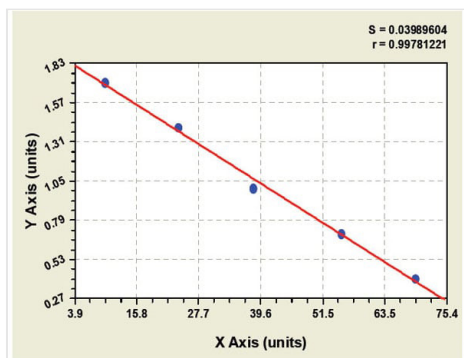
PRODUCT SYNONYMS

Hexokinase 3; Goat Hexokinase 3 ELISA Kit; HK3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This HK3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat HK3. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HK3 elisa kit

Principle of the Assay: HK3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HK3 antibody and an HK3-HRP conjugate. The assay sample and buffer are incubated together with HK3-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 HK3 concentration since HK3 from samples and HK3-HRP conjugate compete for the anti-HK3 antibody binding site. Since the number of sites is limited, as more sites are occupied by HK3 from the sample, fewer sites are left to bind HK3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HK3 concentration in each sample is interpolated from this standard curve.

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.