

Sheep Hexokinase 3 ELISA Kit | HK3 elisa kit

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CATALOG #
AAA94792

REACTIVITY
Sheep

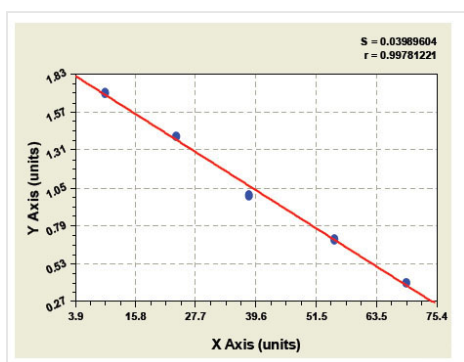
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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 HK3 elisa kit

Intended Uses: This HK3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep HK3. This ELISA kit for research use only!

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.

Product Categories/Family for HK3 elisa kit

Signal Transduction

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.

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Online datasheet: <https://stage.aaabiotech.com/hk3-sheep-elisa-kits/hexokinase-3/94792>