

Human Hexokinase 2 ELISA Kit | HK2 elisa kit

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CATALOG #
AAA84911

REACTIVITY
Human

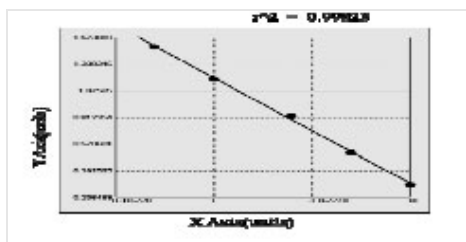
PRODUCT SYNONYMS

Hexokinase 2; Human Hexokinase 2 ELISA Kit; Human Hexokinase ELISA Kit; Hexokinase 2 (Human); HK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
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 HK2 elisa kit

Intended Uses: This HK2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HK2. This ELISA kit for research use only!

Principle of the Assay: HK2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HK2 antibody and an HK2-HRP conjugate. The assay sample and buffer are incubated together with HK2-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 HK2 concentration since HK2 from samples and HK2-HRP conjugate compete for the anti-HK2 antibody binding site. Since the number of sites is limited, as more sites are occupied by HK2 from the sample, fewer sites are left to bind HK2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HK2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for HK2 elisa kit

[Human ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	15553127
NCBI GeneID	3099
NCBI Accession #	NP_000180.2
NCBI GenBank Nucleotide #	NM_000189.4
UniProt Accession #	P52789; Q8WU87; Q9UN82; D6W5J2; Q09LL6; Q53QX9; Q53SG7; Q68E10; Q7Z7Q6
Molecular Weight	102,380 Da
NCBI Official Full Name	hexokinase-2
NCBI Official Synonym Full Names	hexokinase 2
NCBI Official Symbol	HK2
NCBI Official Synonym Symbols	HKII; HXK2; DKFZp686M1669
NCBI Protein Information	hexokinase-2; HK II; OTTHUMP00000160433; OTTHUMP00000202738; hexokinase type II; hexokinase-2, muscle; muscle form hexokinase
UniProt Protein Name	Hexokinase-2
UniProt Gene Name	HK2
UniProt Entry Name	HXK2_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/hk2-human-elisa-kits/hexokinase-2/84911>