



Human Ketohexokinase(KHK) ELISA kit

Product Code	CSB-EL012157HU
Protein Biological Process 2	glyconeogenesis and glycometabolism
Abbreviation	KHK
Protein Biological Process 1	Biosynthesis/Metabolism
Target Name	ketohexokinase (fructokinase)
Uniprot No.	P50053
Alias	ketohexokinase
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Carbohydrate metabolism
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	18.75 mU/mL-1200 mU/mL
Sensitivity	4.68 mU/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cancer
Gene Names	KHK
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human KHK ELISA Kit was designed for the quantitative measurement of Human KHK protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 18.75 mU/mL-1200 mU/mL and the sensitivity is 4.68 mU/mL .
Target Details	This gene encodes ketohexokinase that catalyzes conversion of fructose to fructose-1-phosphate. The product of this gene is the first enzyme with a specialized pathway that catabolizes dietary fructose. Alternatively spliced transcript variants encoding different isoforms have been identified.



Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human KHK in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	89
	Range %	84-94
1:2	Average %	84
	Range %	80-88
1:4	Average %	95
	Range %	90-99
1:8	Average %	99
	Range %	93-103

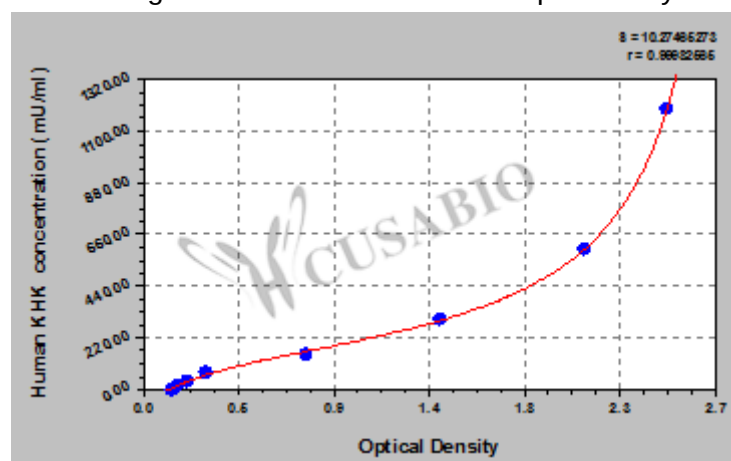
Recovery

The recovery of human KHK spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	95	91-102
EDTA plasma (n=4)	90	86-95

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



mU/ml	OD1	OD2	Average	Corrected
1200	2.547	2.461	2.504	2.352
600	2.143	2.076	2.110	1.958
300	1.403	1.449	1.426	1.274
150	0.814	0.765	0.790	0.638
75	0.304	0.325	0.315	0.163
37.5	0.226	0.218	0.222	0.070
18.75	0.182	0.169	0.176	0.024
0	0.156	0.147	0.152	?



Msd

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