

Human BCKDHA ELISA Kit | BCKDHA elisa kit

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CATALOG #
AAA248264

REACTIVITY
Human

PRODUCT SYNONYMS

BCKDHA; Human BCKDHA ELISA Kit; BCKDHA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of 2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial. No significant cross-reactivity or interference between 2- oxoisovalerate dehydrogenase subunit alpha, mitochondrial and analogues was observed.
Sequence Length	447
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level 2- oxoisovalerate dehydrogenase subunit alpha, mitochondrial were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level 2- oxoisovalerate dehydrogenase subunit alpha, mitochondrial were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard run of a 2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial ELISA kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A not applicable)

X	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.019	0.133	0.251	0.443	0.763	1.275	2.037	2.456

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BCKDHA elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- 2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial antibody was pre-coated onto 96- well plates. And the biotin conjugated anti-2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the 2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of 2-oxoisovalerate dehydrogenase subunit alpha, mitochondrial can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1207838119
NCBI Official Full Name	BCKDHA

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/human-elisa-kits/bckdha/248264>