

Rat BCKDK ELISA Kit | BCKDK elisa kit

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CATALOG #
AAA248654

REACTIVITY
Rat

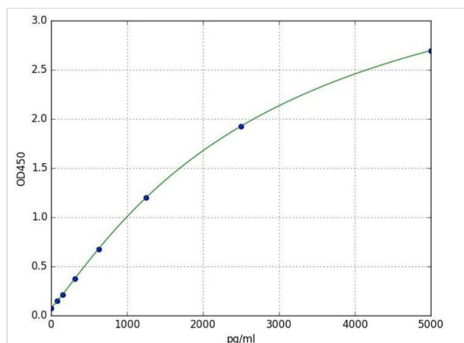
PRODUCT SYNONYMS

BCKDK; Rat BCKDK ELISA Kit; BCKDK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	412
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BCKDK elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- [3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, Mitochondrial antibody was precoated onto 96-well plates. And the biotin conjugated anti-[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, 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 [3- methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, Mitochondrial amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of [3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, Mitochondrial can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49457139
NCBI GeneID	10295
UniProt Accession #	O14874; Q6FGL4; Q96G95; Q96IN5; A8MY43
Molecular Weight	41,090 Da
NCBI Official Full Name	BCKDK, partial
NCBI Official Synonym Full Names	branched chain ketoacid dehydrogenase kinase
NCBI Official Symbol	BCKDK
NCBI Official Synonym Symbols	BDK; BCKDKD
NCBI Protein Information	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial; 3-methyl-2-oxobutanoate dehydrogenase [lipoamide] kinase, mitochondrial
UniProt Protein Name	[3-methyl-2-oxobutanoate dehydrogenase [lipoamide]] kinase, mitochondrial
UniProt Gene Name	BCKDK
UniProt Synonym Gene Names	BCKD-kinase; BCKDHKIN

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://www.aaabiotech.com/rat-elisa-kits/bckdk/248654>