

Human Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial ELISA Kit | DBT elisa kit

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CATALOG # AAA98506	REACTIVITY Human
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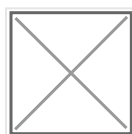
PRODUCT SYNONYMS

Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex; mitochondrial; Human Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex; mitochondrial ELISA Kit; DBT/BCATE2/BCKAD-E2/BCKADE2/E2/E2B/Dihydrolipoalysine-residue (2-methylpropanoyl)transferase/Dihydrolipoamide branched chain transacylase/Branched-chain alpha-keto acid dehydrogenase complex component E2/Dihydrolipoamide acetyltransferase component of branched-chain alpha-keto acid dehydrogenase complex; DBT elisa kit

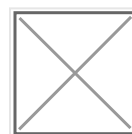
PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	482
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
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)



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DBT elisa kit	Principle of the Assay This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human DBT antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human DBT 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 Human DBT amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human DBT can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	392494079
NCBI GeneID	1629

NCBI Accession #	NP_001909.3
NCBI GenBank Nucleotide #	NM_001918.3
Molecular Weight	53,487 Da
NCBI Official Full Name	lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial
NCBI Official Synonym Full Names	dihydrolipoamide branched chain transacylase E2
NCBI Official Symbol	DBT
NCBI Official Synonym Symbols	E2; E2B; BCATE2; BCKADE2; BCKAD-E2; BCOADC-E2
NCBI Protein Information	lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial
UniProt Protein Name	Lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial
UniProt Gene Name	DBT
UniProt Synonym Gene Names	BCATE2; BCKAD-E2; BCKADE2
UniProt Entry Name	ODB2_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/dbt-human-elisa-kits/lipoamide-acyltransferase-component-of-branched-chain-alpha-keto-acid-dehydrogenase-complex-mitochondrial/98506>