

Bovine Lipoamide Acyltransferase Component Of Branched-Chain Alpha-Keto Acid Dehydrogenase Complex, Mitochondrial (DBT) ELISA Kit-Sandwich

Cat. No.: EK12F294

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Lipoamide Acyltransferase Component Of Branched-Chain Alpha-Keto Acid Dehydrogenase Complex, Mitochondrial (DBT) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Lipoamide Acyltransferase Component Of Branched-Chain Alpha-Keto Acid Dehydrogenase Complex, Mitochondrial (DBT) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Bovine DBT. No cross-reactivity with other relevant proteins.
Target Species	Bovine
Species Reactivity	Bovine
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 270 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Lipoamide acyltransferase, also known as the E2 component of the branched-chain alpha-keto acid dehydrogenase complex, is a crucial enzyme found in the mitochondria. Bovine Lipoamide Acyltransferase Component Of Branched-Chain Alpha-Keto Acid Dehydrogenase Complex, Mitochondrial is encoded by the *DBT* gene in cattle. The dihydrolipoamide acyltransferase (E2b) component of the branched-chain α -ketoacid dehydrogenase complex forms a cubic scaffold that catalyzes acyltransfer from S-acyldihydrolipoamide to CoA to produce acyl-CoA.

Target/Biomarker	Bovine DBT
Target Synonym	dihydrolipoamide branched chain transacylase E2; E2; E2b; BCKADE2; BCKAD-E2; lipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex, mitochondrial; BCKAD E2 subunit; branched-chain alpha-keto acid d

ehydrogenase complex component E2; component of branched chain keto acid dehydrogenase complex; dihydrolipoamide acetyltransferase component of branched-chain in alpha-keto acid dehydrogenase complex; dihydrolipoyllysine-residue (2-methylpropanoyl)transferase

Gene ID	280759
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UniProt ID	P11181
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Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.