

## Bovine Very Long-Chain Specific Acyl-CoA Dehydrogenase, Mitochondrial (ACADVL) ELISA Kit-Sandwich

Cat. No.: EK2F562

Product Type: Animal Immunoassay Kits

Size: 48T;96T

### Product Overview

BioVenic Bovine Very Long-Chain Specific Acyl-CoA Dehydrogenase, Mitochondrial (ACADVL) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Very Long-Chain Specific Acyl-CoA Dehydrogenase, Mitochondrial (ACADVL) 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 ACADVL.
Target Species	Bovine
Species Reactivity	Bovine
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

### Target Information

Very long-chain specific acyl-CoA dehydrogenase, mitochondrial is encoded by the *ACADVL* gene in bovine. This protein acts as a mitochondrial janitor, specifically breaking down very long-chain fatty acids (FAs) attached to coenzyme A (CoA) molecules. Research on the liver transcriptome of Holstein cows has shown that ACADVL and IRF6 are differentially expressed between dry and peak lactation and are involved in lipid metabolism and proliferation and differentiation of mammary epithelial cells.

Target/Biomarker	Bovine ACADVL
Target Synonym	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial; VLCAD; EC 1.3.8.9
Gene ID	<a href="#">282130</a>
UniProt ID	<a href="#">P48818</a>

## Shipping and Storage

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

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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.