

## Bovine Aldehyde Oxidase 1 (AOX1) ELISA Kit-Sandwich

**Cat. No.:** EK12F278

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Bovine Aldehyde Oxidase 1 (AOX1) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Aldehyde Oxidase 1 (AOX1) 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 AOX1.
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

Bovine Aldehyde Oxidase 1, also known as azaheterocycle hydroxylase 1, is encoded by the *AOX1* gene in cattle. It is a homodimeric protein, which produces hydrogen peroxide. AOX1 plays a role in metabolizing drugs containing aromatic azaheterocyclic substituents. Additionally, it is considered a candidate gene for amyotrophic lateral sclerosis. It is involved in myogenesis and may play a role in muscle development in cattle.

Target/Biomarker	Bovine AOX1
Target Synonym	aldehyde oxidase 1; azaheterocycle hydroxylase 1
Gene ID	<a href="#">338074</a>
UniProt ID	<a href="#">P48034</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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## Reference

Guillocheau, G. M. *et al.* Survey of allele specific expression in bovine muscle. *Scientific reports*. 2019, 9: 4297.

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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.