

Bovine D-Aspartate Oxidase (DDO) ELISA Kit-Sandwich

Cat. No.: EK12F29

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine D-Aspartate Oxidase (DDO) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine D-Aspartate Oxidase (DDO) 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 DDO.
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

D-aspartate oxidase (DDO) is an enzyme that catalyzes the conversion of D-aspartate to oxaloacetate, along with the production of ammonia and hydrogen peroxide. This enzyme belongs to the FAD-dependent oxidoreductase family and specifically acts on the C-H-NH₂ group of donors, using oxygen as an acceptor. Bovine D-Aspartate Oxidase is encoded by the *DDO* gene in cattle. D-aspartate oxidase from beef kidney cortex is a monomer with a molecular weight of 39,000 containing 1 molecule of flavin.

Target/Biomarker	Bovine DDO
Target Synonym	D-aspartate oxidase; DASOX
Gene ID	280763
UniProt ID	P31228

Shipping and Storage

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

Reference

Negri, A. *et al.* D-aspartate oxidase from beef kidney. Purification and properties. *Journal of Biological Chemistry*. 1987, 262: 10026-10034.

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.