

Chicken Malondialdehyde (MDA) ELISA Kit-Competitive

Cat. No.: EK1F379

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Chicken Malondialdehyde (MDA) ELISA Kit-Competitive is designed for the quantitative determination of Chicken Malondialdehyde (MDA) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Competitive ELISA method. For research use only.

Specifications

Assay Type	ELISA-Competitive
Specificity	The assay kit is specific for Chicken MDA.
Target Species	Chicken
Species Reactivity	Chicken
Detection Range	15.63-1000 pg/mL
Sensitivity	5.39 pg/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 120 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Malondialdehyde (MDA) is a reactive molecule formed during oxidative stress and lipid peroxidation in the body. Malondialdehyde results from lipid peroxidation of polyunsaturated fatty acids. It serves as a biomarker to evaluate oxidative damage and is associated with various diseases. Malondialdehyde mainly exists as its enol form, hydroxyacrolein. In organic solvents, the cis-isomer is favored, while in water, the trans-isomer predominates. It has long been used as an indicator of the extent of oxidative rancidity that has occurred in foods.

Target/Biomarker	Chicken MDA
Target Synonym	Malondialdehyde; MDA

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.