

Canine Trimethylamine-N-Oxide (TMAO) ELISA Kit-Sandwich

Cat. No.: EK1F605

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Canine Trimethylamine-N-oxide (TMAO) ELISA Kit-Sandwich is designed for the quantitative determination of Canine Tri methylamine-N-oxide (TMAO) 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 Canine TMAO.
Target Species	Canine
Species Reactivity	Canine
Detection Range	15.63-1000 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 12%
Assay Time	Around 90 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Trimethylamine N-oxide (TMAO) is an organic compound that belongs to the class of amine oxides. TMAO consists of a trimethylamine group (three methyl groups attached to a nitrogen atom) and an oxygen atom. TMAO is a product of the oxidation of trimethylamine, a common metabolite of choline in animals. It is a gut microbial-derived metabolite that has been suggested as a potential regulator of human health. Dogs with congestive heart failure secondary to degenerative mitral valve disease (DMVD) had higher concentrations of TMAO compared to both asymptomatic DMVD dogs and healthy controls.

Target/Biomarker	Canine TMAO
Target Synonym	TMAO

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.