

Caprine Carboxymethyl Lysine (CML) ELISA Kit-Competitive

Cat. No.: EK2F43

Product Type: Animal Immunoassay Kits

Size: 96T

Product Overview

BioVenic Caprine Carboxymethyl Lysine (CML) ELISA Kit-Competitive is designed for the quantitative determination of Caprine Carboxymethyl Lysine (CML) 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 Caprine CML.
Target Species	Caprine
Species Reactivity	Caprine
Detection Range	78.13-5000 ng/mL
Sensitivity	25.9 ng/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

N(6)-Carboxymethyllysine (CML) is an advanced glycation endproduct (AGE). CML is generated when the amino acid lysine reacts with reducing sugars (such as glucose or fructose). CML is associated with oxidative stress, inflammation, and age-related diseases. It accumulates in tissues and contributes to the pathogenesis of conditions like diabetes, atherosclerosis, and kidney disease. Researchers measure CML levels in biological samples (such as blood or urine) to assess glycation-related damage.

Target/Biomarker	Caprine CML
Target Synonym	N(6)-Carboxymethyllysine

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.