

ELISA Kit for Carboxymethyl Lysine (CML)

Catalog No: tcue1844



Available Sizes

Size: 96T



Specifications

Research Area:

Metabolic pathway;Endocrinology;Cardiovascular biology;Genetic science;Nutrition metabolism;

Species Reactivity:

Pan-species (General)

Sample Type:

serum, plasma and other biological fluids

Sensitivity:

The minimum detectable dose of this kit is typically less than 25.9ng/mL

Detection Range:

61.7-5000ng/mL

Assay Time:

2h

Detection Method:

Enzyme-linked immunosorbent assay for Antigen Detection.

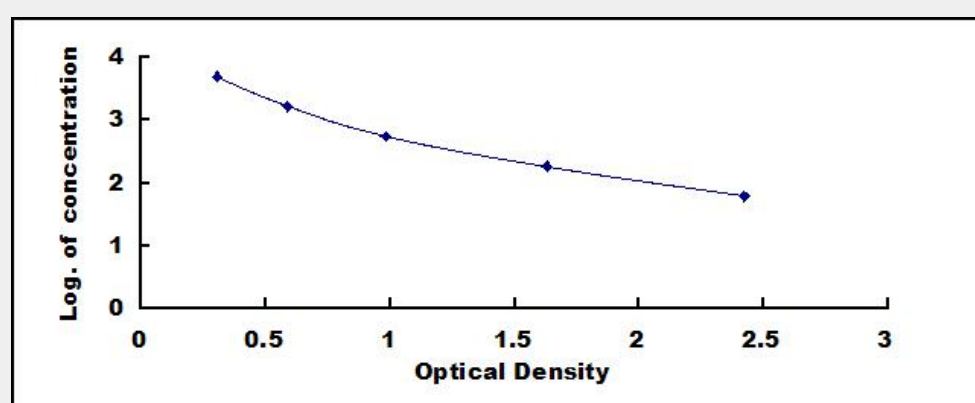
Tested Application:

ELISA

Test Principle

This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Carboxymethyl Lysine (CML) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Carboxymethyl Lysine (CML) and unlabeled Carboxymethyl Lysine (CML) (Standards or samples) with the pre-coated antibody specific to Carboxymethyl Lysine (CML). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse

proportional to the concentration of Carboxymethyl Lysine (CML) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Carboxymethyl Lysine (CML) in the sample.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!