

Datasheet for ABIN1105660

**anti-Carboxy Methyl Lysine antibody**[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	Carboxy Methyl Lysine (CML)
Reactivity:	Please inquire
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Carboxy Methyl Lysine antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA), Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Carboxy Methyl Lysine (CML)-KLH
Clone:	CML26
Isotype:	IgG1
Cross-Reactivity (Details):	Species reactivity (tested): Human, Multispecies cross reactant.
Purification:	Protein G Chromatography

## Target Details

Target:	Carboxy Methyl Lysine (CML)
Alternative Name:	Carboxy Methyl Lysine ( <a href="#">CML Products</a> )

## Target Details

Target Type:	Amino Acid
Background:	<p>CML is known to be formed from the oxidation of both carbohydrates and lipids. This makes CML a biomarker of general oxidative stress. Carboxymethyl-lysine (CML) is a well-characterized glycoxidation product that accumulates in tissues with age, and its rate of accumulation is accelerated in diabetes. Glycoxidation products are a subset of advanced glycation endproducts (AGEs) that are formed by the nonenzymatic glycation and subsequent irreversible oxidation of proteins. Oxidative stress and protein modification have been implicated in the pathogenesis of the chronic complications of diabetes, including nephropathy and atherosclerosis. The accumulation of CML in long-lived tissue such as skin collagen reflects oxidative stress over an extended period of the life-span, and has been shown to be greater in patients with diabetic complications than those without complications.</p> <p>Synonyms: CML, Carboxymethyl-lysine</p>

## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

Concentration:	0.1 mg/mL
Buffer:	PBS, 0.02 % Sodium Azide, 0.1 % BSA
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store undiluted at 2-8 °C.