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Polyclonal Antibody to Carboxy Methyl Lysine - Serum

Alternate names: CML, Carboxymethyl-lysine

Catalog No.: AP00664SU-N

Quantity: 0.5 ml

Background: Carboxymethyl Lysine is formed by the non enzymatic Schiff base reaction of glucose with proteins, followed by an Amadori rearrangement and oxidation that leaves only a carboxymethyl group attached to the lysine. The levels of CML adducts accumulate over time and have been used as an indicator of both serum glucose levels and oxidative protein damage. Elevated serum CML modified proteins have been associated with diabetes and may contribute to diabetic retinopathy, nephropathy and angiopathy.

Host: Goat

Immunogen: Carboxymethylated Keyhole Limpet Hemocyanin (CML-KLH). Prepared by the reaction of the protein with glyoxylic acid

Format: **State:** Liquid serum containing 0,09% sodium azide

Applications: Western Blot.
ELISA: 1:10,000 - 1:80,000.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody specifically binds to CML modified proteins.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.