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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION



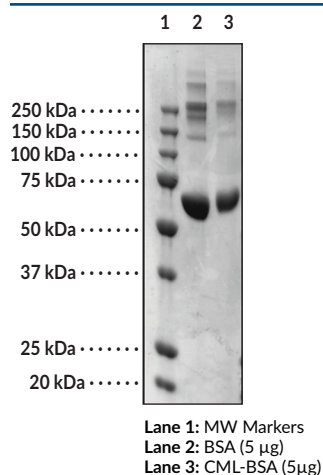
CML-BSA

Item No. 22972

Overview and Properties

Synonyms: N^ε-(1-Carboxymethyl)-L-lysine-Bovine Serum Albumin, N^ε-(1-Carboxymethyl)-L-lysine-BSA
Source: Albumin isolated from bovine plasma and modified by carboxymethylation
Molecular Weight: 69.3 kDa
Storage: -20°C (as supplied) avoid freeze/thaw cycles by aliquoting the protein after resuspension
Stability: ≥2 years
Supplied in: Lyophilized from a solution in PBS, pH 7.4

Image



Description

Advanced glycation end products (AGEs) are formed from the nonenzymatic reaction of amino groups with reducing sugars.¹⁻³ AGEs have been implicated in diseases, such as diabetes mellitus, non-diabetic nephropathy, macrovascular disease, Alzheimer's disease, cataract, and ageing.¹⁻³ AGE receptors, such as the receptor for AGE (RAGE), mediate biological responses to AGEs, including endocytic uptake and degradation and induction of cytokines and growth factors.¹⁻³ CML-BSA was produced by incubating BSA with glyoxylic acid and sodium cyanoborohydride.

References

1. Singh, R., Barden, A., Mori, T., et al. *Diabetologia* **44(2)**, 129-46 (2001).
2. Giacco, F., and Brownlee, M. *Circ. Res.* **107(9)**, 1058-1070 (2010).
3. Vistoli, G., De Maddis, D., Cipak, A., et al. *Free Radic. Res.* **47(Suppl 1)**, 3-27 (2013).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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