



## MONOCLONAL ANTIBODY

*For research use only. Not for clinical diagnosis.*

**Catalog No. AGE-M01**

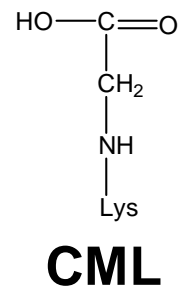
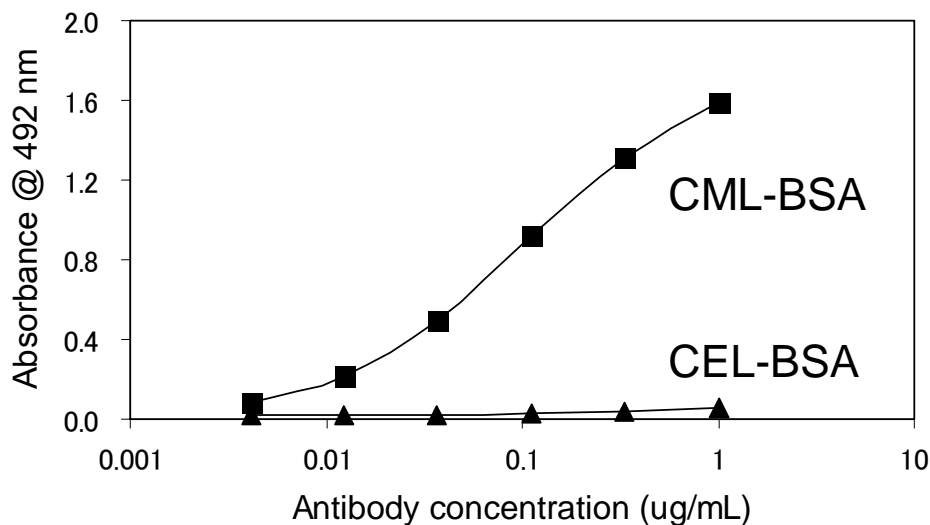
# Anti N<sup>ε</sup>-(carboxymethyl) lysine (CML)

## BACKGROUND

N<sup>ε</sup>-(carboxymethyl) lysine (CML) is reported as a major antigenic AGE structure. Recent studies demonstrate that CML is generated by the oxidative cleavage of Amadori products by hydroxyl radical, peroxyntirite and hypochlorous acid, thus suggesting CML to be an important biological marker of oxidative stress in vivo.

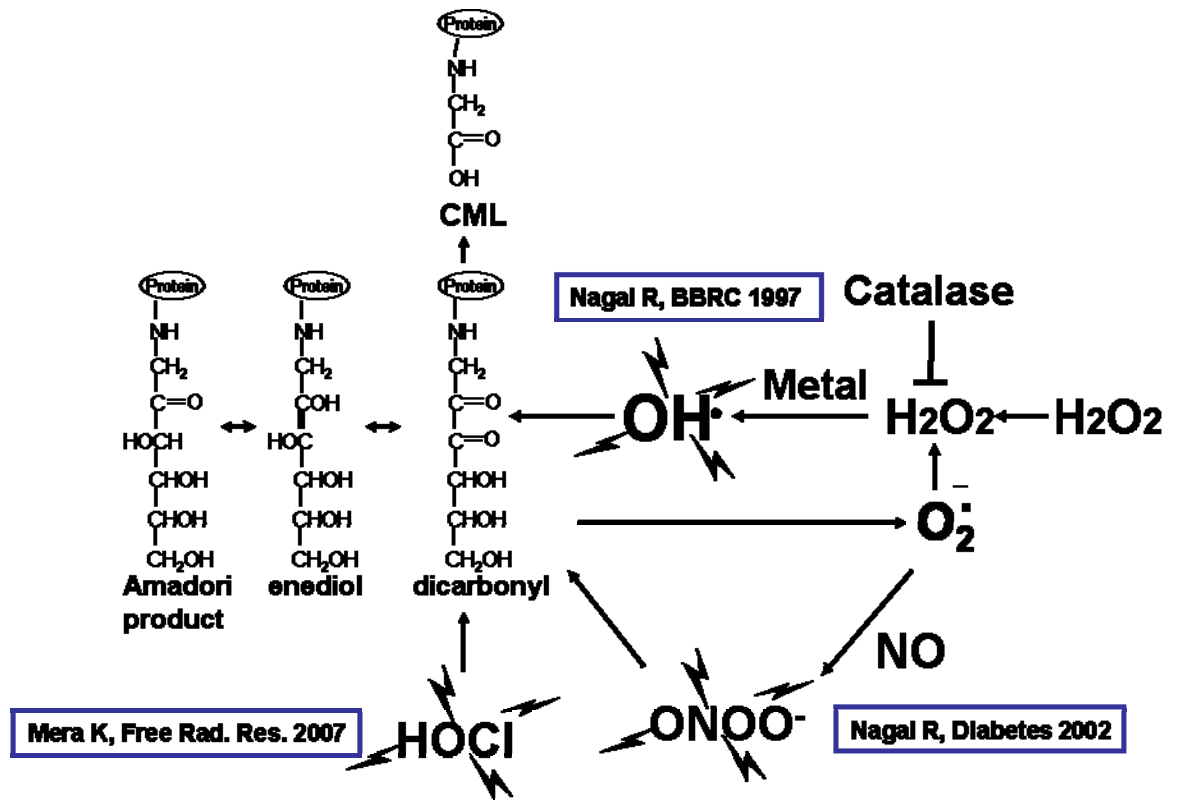
<b>Product type</b>	Primary antibodies
<b>Host</b>	Mouse
<b>Source</b>	Purified from ascite
<b>Form</b>	Liquid with 0.1% proclin
<b>Volume</b>	100 ul
<b>Concentration</b>	0.2 mg/ml
<b>Specificity</b>	CML
<b>Antigen</b>	CML-HAS
<b>Clone</b>	2G12
<b>Isotype</b>	IgG1

<b>Application notes</b>	<b>Recommended use</b> WB, IHC, ELISA
	<b>Recommended dilutions</b> Western blotting, 1/200 to 1/400 Immunohistochemistry, 1/100 to 1/200 ELISA, 1/200 to 1/400 Optimal dilutions/concentrations should be determined by the end user.





**CML  
production  
pathway**



**Storage**

Store below -20°C (below -70°C for prolonged storage).

Aliquot to avoid cycles of freeze/thaw.

**References**

- 1) Mera K., Nagai M., Brock JW., Fujiwara Y., Imai H., Murata T., Maruyama T., Baynes JW., Otagiri M., Nagai R. Glutaraldehyde is an Effective Cross-linker for Production of Antibodies Against Advanced Glycation End Products. J. Immunol. Methods 334 (1-2), 82-90 (2008)

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