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Inspiration for Life Science

MONOCLONAL ANTIBODY

For research use only. Not for clinical diagnosis.

Catalog No. JWU-M01

Anti N$^{\varepsilon}$-(carboxymethyl) lysine (CML)

BACKGROUND

N$^{\varepsilon}$-(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, peroxynitrite and hypochlorous acid, thus suggesting CML to be an important biological marker of oxidative stress in vivo.

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

Application notes

Recommended use

WB, IHC, ELISA

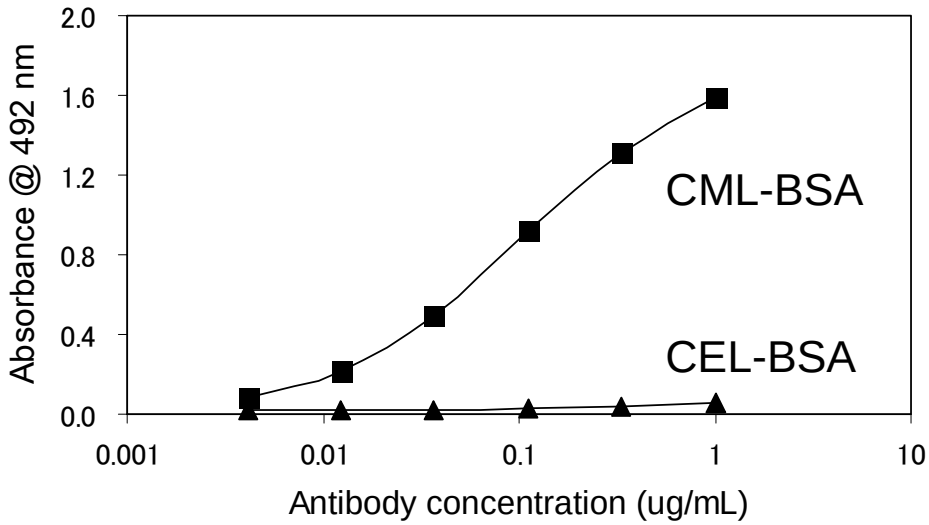
Recommended dilutions

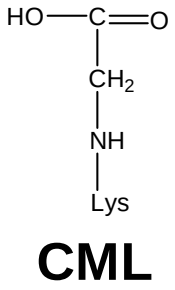
Western blotting, 1/200 to 1/400

Immunohistochemistry, 1/100 to 1/200

ELISA, 1/200 to 1/400

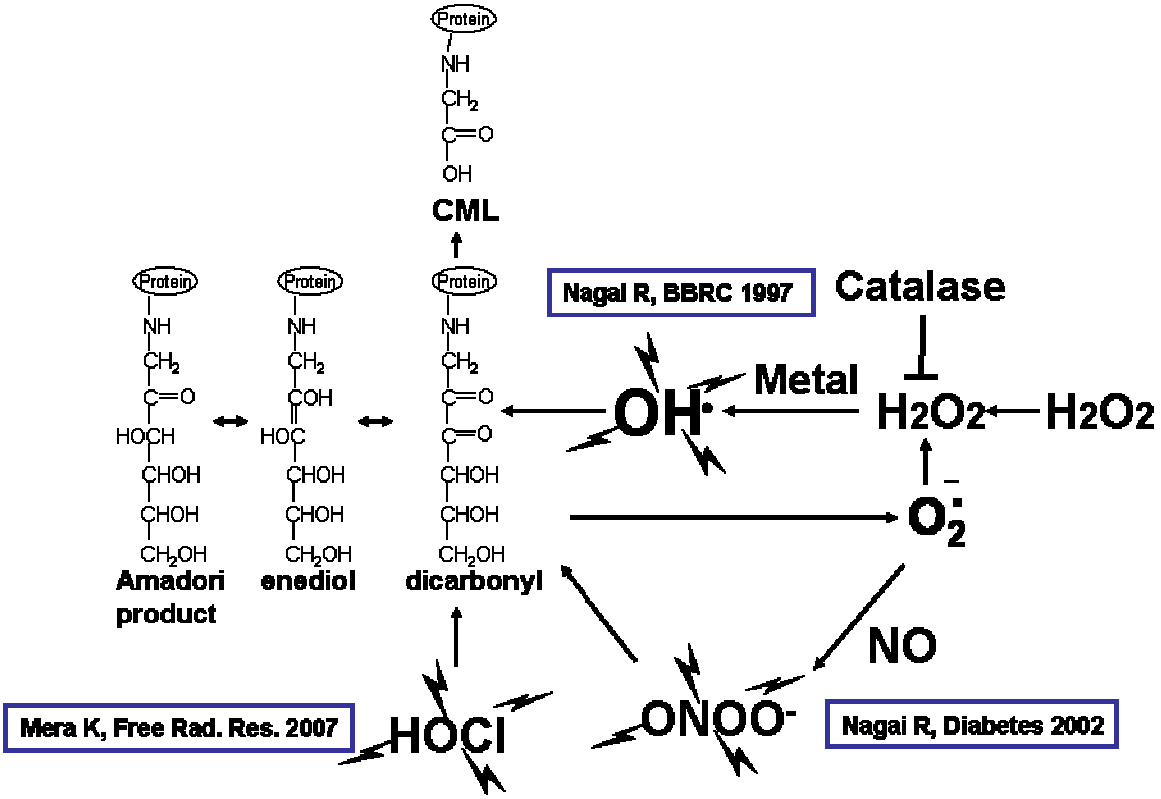
Optimal dilutions/concentrations should be determined by the end user.





CML

CML production pathway



Storage

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

Aliquot to avoid cycles of freeze/thaw.

References

1) 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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