COSMO BIO CO., LTD.
Inspiration for Life Science

MONOCLONAL ANTIBODY

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Catalog No. JWU-M03

Anti GA-pyridine

BACKGROUND

Glycolaldehyde formed as a result of the myeloperoxidase-H2O2 (MPO) reaction can react with proteins to yield various AGEs. Recently, a novel specific GA-derived AGE, called GA-pyridine, has been described in foam cells and the extracellular matrix of human atherosclerotic fibrotic lesions, glomerular mesangial and Bruch's membrane and choroid.

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	GA-pyridine
Antigen	GA-LDL
Clone	2A2
Isotype	IgG1

Application notes

Recommended use

WB, IHC, ELISA

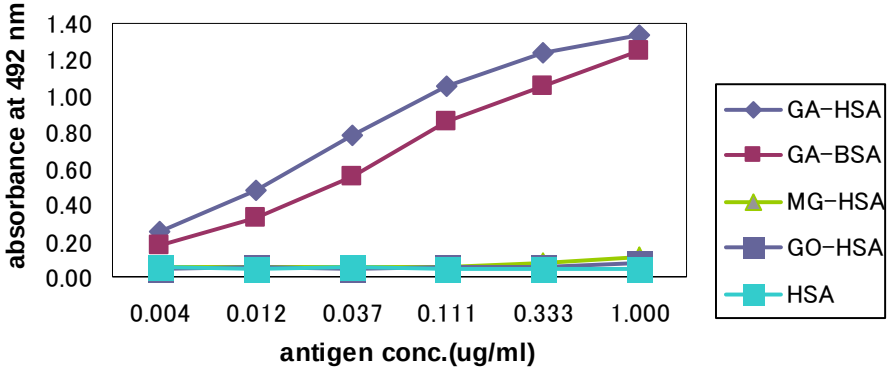
Recommended dilutions

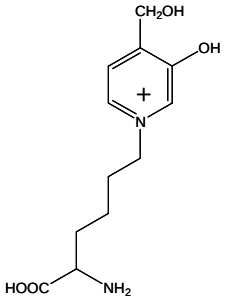
Western blotting, 1/200 to 1/2,000

Immunohistochemistry, 1/200 to 1/400

ELISA, 1/200 to 1/400

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





GA-pyridine

Storage

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

Aliquot to avoid cycles of freeze/thaw.

References

1) Nagai R., Hayashi CM., Xia L., Takeya M., Horiuchi S: Identification in human atherosclerotic lesions of GA-pyridine, a novel structure derived from glycolaldehyde-modified proteins. J Biol Chem. 277, 48905-48912 (2002)

2) Glenn JV., Mahaffy H., Wu K., Smith G., Nagai R., Simpson DAC., Boulton ME., Stitt AW. AGE-modified substrate induces global gene expression changes in ARPE-19 monolayers: relevance to lysosomal dysfunction and lipofuscin accumulation. Invest. Ophth. Vis. Sci. 50, 441-451 (2009)

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