



PRODUCT DATA SHEET

Product: Anti-Malondialdehyde (MDA) mAb, clone 1F83

Cat. No.: MC-1023 (30 µg)

Description:

Malondialdehyde (MDA) is one of the major aldehydes derived from lipid peroxidation. MDA is a highly reactive aldehyde and reacts with the lysine residue in proteins. The reaction with MDA and lysine residues leads to the formation of numerous numbers of adducts, such as dihydropyridine-lysine (DHP-lysine) type derivative. This monoclonal antibody is specific for the MDA-modified protein, especially DHP-lysine type derivative.

Immunogen:

MDA-modified keyhole-lympet hemocyanine.

Specificity:

Specific for MDA-modified protein (especially DHP-lysine).

Ig Isotype:

Mouse IgG_{2a/λ}

Format:

Monoclonal antibody at 100 µg/mL in 10 mM PBS containing 0.09% NaN₃ and protein stabilizer. Purified by Protein-A.

Storage:

Store at less than -20°C. For long term storage, aliquot product into individual tubes and freeze at -20°C or -70°C. Avoid repeated freeze/thaw cycles.

Application and Suggested Dilution:

- Immunohistochemistry: Recommended antibody concentration is 0.5 – 1.0 µg/mL on paraformaldehyde fixed tissue.

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.