



PRODUCT DATA SHEET

Product: Anti-Crotonaldehyde (CRA) mAb, clone 82D3

Cat. No.: MC-1025 (30 µg)

Description:

Crotonaldehyde (CRA) is a representative carcinogenic aldehyde formed endogenously through lipid peroxidation. CRA is a highly reactive aldehyde and reacts with lysine residue in protein. The reaction with CRA and lysine residue leads to the formation of numerous numbers of adducts. This antibody is specific for the CRA-modified protein.

Immunogen:

CRA-modified keyhole-lympet hemocyanine.

Specificity:

Specific for CRA-modified protein (especially CRA-lysine adduct)

Ig Isotype:

Mouse IgG_{2a}

Format:

Monoclonal antibody at 100 µg/mL in 10 mM PBS containing 0.1% 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.