



## PRODUCT DATA SHEET

**Product:** Anti-methylglyoxal (MG) mAb, clone 3C

**Cat. No.:** MC-1024 (30 µg)

**Description:**

Methylglyoxal (MG), an endogenous metabolite that increases in diabetes and is a common intermediate in the Maillard reaction (glycation), reacts with proteins and forms advanced glycation end products. MG reacts with arginine residue in protein and forms numerous numbers of adducts, such as argpyrimidine. This antibody is specific for argpyrimidine.

**Immunogen:**

MG-modified keyhole-lympet hemocyanine.

**Specificity:**

Specific for MG-modified protein (especially Argpyrimidine)

**Ig Isotype:**

Mouse IgG<sub>2a</sub>

**Format:**

Monoclonal antibody at 100 µg/mL in 10 mM PBS containing 0.1% NaN<sub>3</sub> and protein stabilizer. Protein A purified.

**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: It is recommended that the antibody be tried at 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.