Anti-methylglyoxal (MG) Monoclonal Antibody

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 adducts, such as argpyrimidine. This antibody is specific for argpyrimidine.

Catalog #: MMG-030n (30 μg of IgG)

Clone #: 3C

Immunogen: MG-modified keyhole-lympet hemocyanine

Subclass: Mouse IgG2a

Application: Immunohistochemistry; It is recommended that the antibody be tried at 0.5-1.0 μg/mL on paraformaldehyde fixed tissue.

Buffer Concentration: Frozen. 100 g/mL of IgG in 10mM PBS containing 0.1 %NaN3 and 0.5% BSA. Protein A purified.

Specificity: Specific for MG-modified protein (especially Argpyrimidine).

Storage: Less than -20°C

Stability: Maintain at -20°C undiluted aliquots for up to 6 months after date of receipt. For long term storage, aliquot product into individual tubes and freeze at -20 or -70°C. Avoid repeated freeze/defrost cycles. (Stable for at least 7days if stored at room temperature.)

Reference:


For research use only, not for diagnostic use.