

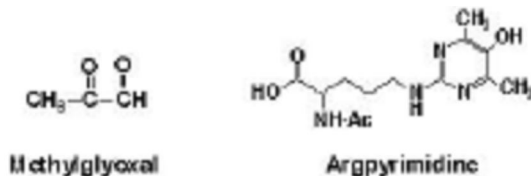
Northwest
Life Science Specialties, LLC

Anti methylglyoxal (MG) Monoclonal Antibody Clone 3C

Catalog Number: NWA-MGL030

Description: Murine IgG_{2a} anti-methylglyoxal monoclonal antibody
(30µg IgG/Vial)

Methylglyoxal (MG), an endogenous metabolite that increases in diabetes and is a common intermediate in the Maillard glycation reaction. MG reacts with proteins and forms advanced glycation end products (AGE's). MG reacts with residues in proteins and forms numerous adducts, such as argpyrimidine.



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

Format: Liquid: 100g IgG/mL in 10mM PBS containing 0.1 %NaN₃ and 0.5% BSA.
Protein A purified.

Antigen: MG modified keyhole-limpet hemocyanin.

Suggested Use: IHC: 0.5-1.0 µg/mL on paraformaldehyde fixed tissue.

User should determine optimum titer for each application.

Stability: Stable for 6 months after date of receipt if stored undiluted and frozen at -20° C.

Storage: Store at -20 °C or lower upon arrival. Avoid repeated freeze/thaw. For long term storage we recommend making smaller, single use aliquots and storing at -70° C.

References: Shamsi et al. (1998) *J. Biol. Chem.* 279(12):6928-6936.
Padayatti et al. (2001) *Invest Ophthalmol Vis Sci.* 42:1299-1304.

For Research Use Only

Northwest Life Science Specialties, LLC
16420 S McGillivray, Suite 103, PMB 106, Vancouver, WA 98683
Phone: (360) 449-3091, (888) 449-3091, Fax: (360) 449-3092, E-mail: info@nwlifescience.com