



Product Specification Sheet

Anti-Malonaldehyde-Deoxyguanosine Adduct
Catalog Number: M 10
Aliquot: 10 µg
Lot Number: m10.080218A
Storage: -80°C

DESCRIPTION:	This monoclonal antibody was developed against the malonaldehyde-deoxyguanosine adduct, 3-β-erythro-pentofuranosylpyrimido[1,2-α]purin-1093H0-one (abbreviated M1G-R), and extensively characterized. ^{3,5} It is highly specific for M1G-R and has already been used for immunoaffinity isolation of M1G prior to GC/MS. ² Less than 5 fmol of M1G-R in MDA-modified DNA can be detected by an immunoslot blot assay for the quantitation of MDA-modified DNA using this antibody. ¹
CONCENTRATION:	0.4 mg/mL as determined by BCA assay using immunoglobulin as a standard.
STORAGE BUFFER:	PBS, 50% glycerol
STORAGE:	-80°C. AVOID REPEATED FREEZE THAWS.
IMMUNOGEN:	Malonaldehyde-deoxy guanosine adduct, 3-β-erythro-pentofuranosylpyrimido[1,2-α]purin-1093H0-one (abbreviated M1G-R)
PURIFICATION:	Protein-A affinity chromatography.
APPLICATIONS:	Immunoslot blotting
SUGGESTED DILUTION:	1:20,000
REFERENCES:	<ol style="list-style-type: none">1. Leuratti, C., Singh, R., Lagneau, C., Farmer, P.B., Plastaras, J.P., Marnett, L.J., Shuker, D.E., <i>Carcinogenesis</i>, 19 : 101-106 (1998)2. Fink, S.P., Reddy, G.R., Marnett, L.J., <i>Proc. Natl Acad Sci.</i>, 94 : 8652-8657 (1997)3. Rouzer, C.A., et. al., <i>Chem Res. Tox.</i>, 10 : 181-188 (1997)4. Niedernhofer, L.J., et. al., <i>Chem Res. Tox.</i>, 10 : 556-561 (1997)5. Sevilla, C.L., et. al., <i>Chem Res. Tox.</i>, 10 : 172-180 (1997)