



Northwest

Life Science Specialties, LLC

Anti 8-Hydroxydeoxyguanosine (8-OHdG) Monoclonal Clone N45.1

Catalog Number:	NWA-MOG100
Description:	Mouse anti 8-hydroxydeoxyguanosine monoclonal antibody (100µg IgG/Vial)
Format:	Lyophilized as 100µg/mL IgG in 10mM Phosphate buffered saline, pH7.4 containing 1.0% BSA.
Antigen:	8-OHdG-conjugated Keyhole Limpet Hemocyanin
Species:	Mouse IgG ₁ (kappa); Prepared as ascites then ammonium sulphate purified.
Reconstitution:	Reconstitute with 1 mL distilled water to yield 100 µg/mL stock solution.
Suggested Use:	IHC and/or ELISA User should determine optimum titer for each application.
Specificity:	8-OHDG in all species
Cross Reactivity:	No observable crossreactivity for the following analogues: <i>guanosine (G), 7methylG, 6SHG, 8bromoG, dA, dC, dT, dI, dU, dG, O6methyldG, 8OHdA, guanine (Gua), O6methylGua, 8OHGua, uric acid, Urea, creatine, creatinine</i> Slight but minimal (<1%) crossreactivity for the following analogues: <i>8sulfhydrylG and 8OHG¹</i>
Stability:	Stable for 5 years as supplied (lyophilized powder).
Storage:	Store at -20 °C upon arrival. After reconstitution freeze single use aliquots at -20 °C or lower. Avoid repeated freeze/thaw.
References:	1. S.Toyokuni et al. (1997) Laboratory Investigation 76:3, p365374 2. Y.Hattori et al. (1997) J. Invest. Dermatol. 107, p733737 3. T.Tanaka et al. (1997) Laboratory Investigation 77:2, p145155

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