



Anti-8-Hydroxy-2'-deoxyguanosine (8-OHdG) Monoclonal Antibody (N45.1)

- Code:** **MOG-100P**
(100 μ g of IgG, Lyophilized powder)
MOG-020P
(20 μ g of IgG, Lyophilized powder)
- Source:** **Mouse**
- Immunogen:** 8-Hydroxy-2'-deoxyguanosine (8-OHdG) conjugated keyhole limpet hemocyanin.
- Subclass:** IgG1(κ)
- Application:** Immunohistochemistry [ref.1, 2, 3]
(Recommended concentration: 5~10 μ g/mL IgG)
- Reconstitution:** MOG-100P: Dissolve in 1mL of distilled water.
MOG-020P: Dissolve in 200 μ L of distilled water.
- Buffer Concentration:** 100 μ g/mL IgG in 10mM Phosphate buffered saline, pH7.4 containing 1.0% BSA
- Specificity:** 19 analogues of 8-OHdG {guanosine (G), 7-methyl-G, 6-SH-G, 8-bromo-G, dA, dC, dT, dI, dU, dG, O⁶-methyl-dG, 8-OHdA, guanine (Gua), O⁶-methyl-Gua, 8-OHGua, uric acid, Urea, creatine, creatinine} demonstrate no cross-reactivity. Only 8-sulfhydryl-G and 8-OHG demonstrate minimal cross-reactivity (less than 1%). [ref.1]
- Storage:** Store at less than -20°C.
Avoid repeated freeze & thaw after reconstitution.
For short term storage or transport, storage at 4°C is acceptable.
- Stability:** 4 years at -20°C
- References:** 1) S.Toyokuni *et al. Laboratory Investigation* 76(3), p365-374 (1997)
2) Y.Hattori *et al. J.Invest.Dermatol.* 107, p733-737 (1997)
3) T.Tanaka *et al. Laboratory Investigation* 77(2), p145-155 (1997)



Epidermis from hairless mouse by chronic UVB irradiation after 4 weeks of treatment attained with N45.1[ref.2]

For research use only, not for diagnostic use.

Manufacturer



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