



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

Code: **NNS-MOG-100P-EX**
(100µg of IgG, Lyophilized powder)
NNS-MOG-020P-EX
(20µg of IgG, Lyophilized powder)

Source: Mouse
Prepared as ascite, and ammonium sulfate purified

Clone #: N45.1

Immunogen: 8-Hydroxy-2'-deoxyguanosine (8-OHdG)
conjugated keyhole limpet hemocyanin.

Subclass: IgG1(κ)

Application: Immunohistochemistry [ref.1, 2, 3]
(Recommended concentration: 5~10µg/mL IgG)



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

Reconstitution: MOG-100P: Dissolve in 1mL of distilled water.
MOG-020P: Dissolve in 200µL of distilled water.

Buffer Concentration: 100µg/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
After reconstitution, store as frozen aliquots and avoid repeated freeze & thaw.

Stability: 5 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 (1996)
3) T.Tanaka *et al. Laboratory Investigation* 77(2), p145-155 (1997)

For research use only, not for diagnostic use.

Manufactured by  Japan Institute for the Control of Aging (JaICA),



COSMO BIO CO., LTD.
Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

http://www.cosmobio.co.jp/index_e.asp E-mail: export@cosmobio.co.jp

Phone : +81-3-5632-9617 FAX : +81-3-5632-9618