

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

- Catalog #:** 1) N213120
2) N213110
- Content:** 1) 20 μ g of IgG / vial. Lyophilized powder.
2) 100 μ g of IgG / vial. Lyophilized powder.
- Clone #:** N45.1
- Immunogen:** 8-Hydroxy-2'-deoxyguanosine (8-OHdG) conjugated keyhole limpet hemocyanin.
- Subclass:** Mouse IgG₁(κ), Prepared as ascite, and ammonium sulfate purified.
- Application:** Immunohistochemistry (Recommended concentration: 5~10 μ g/mL IgG).
ELISA
- Reconstitution:** 1) Reconstitute with 200 μ L of distilled water.
2) Reconstitute with 1000 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.
After reconstitution, store as frozen aliquots and avoid repeated freeze & thaw.
- Stability:** 5 years at -20°C.
- References:** Ref. 1) S.Toyokuni et al. Laboratory Investigation 76(3), p365-374 (1997)
Ref. 2) Y.Hattori et al. J.Invest.Dermatol. 107, p733-737 (1997)
Ref. 3) T.Tanaka et al. Laboratory Investigation 77(2), p145-155 (1997)

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SCETI

DF Kasumigaseki Place, 3-6-7, Kasumigaseki,
Chiyoda-ku Tokyo 100-0013 Japan

URL: <http://www.sceti.co.jp/export/>

e-mail: exp-pet@sceti.co.jp

<Manufacturer>

Japan Institute For the Control of Aging (JaICA)
710-1, Haruoka, Fukuroi, Shizuoka 437-0122
JAPAN