



PRODUCT DATA SHEET

Product: Anti-8-Hydroxy-2'-deoxyguanosine (8-OHdG) mAb, clone N45.1

Cat. No.: MC-1013 (20 µg)
MC-1014 (100 µg)

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%).

Immunogen:

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

Ig Isotype:

Mouse IgG_{1/k}

Reconstitution:

20 µg: reconstitute with 200 µL of distilled water.
100 µg: reconstitute with 1,000 µL of distilled water.

Format:

Lyophilized Powder. Monoclonal antibody at 100 µg/mL in 10 mM PBS, pH 7.4, containing protein stabilizer. Prepared as ascite, and ammonium sulfate purified.

Storage:

Store at less than -20°C. After reconstitution, store as frozen aliquots. Avoid repeated freeze/thaw cycles.

Applications and Suggested Dilutions:

- ELISA
- Immunohistochemistry: Recommended concentration: 5-10 µg/mL

The optimal dilution for a specific application should be determined by the researcher.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.