DNA and RNA Oxidative Damage Markers Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 12501 (clone 15A3)

Size: 100ug Protein-G purified antibody in Tris-buffered saline (TBS), pH 7.4

SPECIFICATION SUMMARY

Antigen: 8-hydroxyguanosine (oh^8G)-BSA and –casein conjugates.

Host Species: Mouse

Antibody Class: IgG2b

Stabilizers: None

Preservatives: 0.1% sodium azide

SPECIFICITY

This antibody recognizes 8-hydroxy-2'-deoxyguanosine (oh^8dG), 8-hydroxyguanine (oh^8G), and 8-hydroxyguanosine (oh^8G). These are markers of oxidative damage to DNA and RNA.

APPLICATIONS

This antibody may be used in ELISA and immunohistochemistry to detect the markers of oxidative damage to DNA and RNA. May also be used on immunoaffinity columns to isolate oxidative DNA damage adducts from biological fluids.

DILUTION INSTRUCTIONS

Dilute in TBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at 4°C. Avoid repeated freeze-thaw cycles. Do not freeze as this might result in precipitation of the antibody.

REFERENCES

Park et al. (1992) Proc Natl Acad Sci (USA) 89: 3375-3379

Nunomura et al. (1999) J Neuroscience 19: 1959-1964

Cui et al. (1999) J Neurochemistry 73: 1164-1174

Salganik et al. (2000) Carcinogenesis 21: 909-914

Tanaka et al. (2007) Proc Natl Acad Sci (USA) 104: 66-71

For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.

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