

Mouse 8-Hydroxy-2'-deoxyguanosine Monoclonal Antibody

Mouse anti-8-Hydroxy-2'-deoxyguanosine (8-oxo-dG)

CATALOG # AAA14692	HOST Mouse	APPLICATIONS ELISA, Immunocytochemistry, Immunohistochemistry, Immunofluorescence
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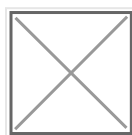
PRODUCT SYNONYMS

8-Hydroxy-2'-deoxyguanosine; Monoclonal Antibody; Mouse anti-8-Hydroxy-2'-deoxyguanosine (8-oxo-dG); Anti -8-Hydroxy-2'-deoxyguanosine (8-oxo-dG); anti-8-Hydroxy-2'-deoxyguanosine antibody

PRODUCT SPECIFICATIONS

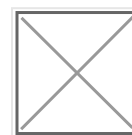
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	9i232
Specificity	Recognizes 8-hydroxy-2'- deoxyguanosine within DNA in H ₂ O ₂ -treated cells.
Purity/Purification	Purified from ascites.
Form/Format	Supplied as a liquid in 1 X TBS, 0.09% sodium azide, 50% glycerol.
Concentration	0.5mg/ml (varies by lot)
Applicable Applications for anti-8-Hydroxy-2'-deoxyguanosine antibody	ELISA, ICC (Immunocytochemistry), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	Recommened Dilution: Immunofluorescence: 1:250 Optimal dilutions to be determined by the researcher.
Immunogen	Synthetic peptide corresponding to 8-oxo-dG, conjugated to KLH.
Grade	Purified
Preparation and Storage	May be stored at 4°C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot and store at -20°C. Aliquots are stable for at least 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin embedded rat thymus sections using AAA14692 at a 1:250 dilution and detected by Alexa-488, which appears fluorescent green. 8-oxo-dG is present in the cytoplasm and nucleus of most but not all cells. Sections were counter-stained with 7-Aminoactinomycin D (7AAD), which labels nuclear DNA. Images were captured at 40X magnification.



IF (Immunofluorescence)

Immunofluorescence/Immunocytochemistry analysis of MCF-10A cells using AAA14692 followed by AlexaFluor 488 conjugated anti-mouse antibody. A: H2O2 treated B: untreated

ADDITIONAL INFORMATION

Related Product Information for anti-8-Hydroxy-2'-deoxyguanosine antibody	A marker compound indicative of DNA damage associated with mutagenesis and carcinogenesis. Can induce differentiation of Friend murine erythroleukemia cells in vitro.
Product Categories/Family for anti-8-Hydroxy-2'-deoxyguanosine antibody	Antibodies ; Abs to Nucleotides

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/8-hydroxy-2-deoxyguanosine-antibody-clone-9i232-immunocytochemistry-immunohistochemistry-immunofluorescence-elisa/14692>