Mouse Anti-Aflatoxin B1-DNA Adduct Monoclonal Antibody

Mouse, Monoclonal (Aflatoxin B1-DNA Adduct)

Cat. No. DMAB8913
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Mouse monoclonal antibody to aflatoxin B1-DNA adduct.
Immunogen: Aflatoxin B1 DNA (against the midazole ring-opened persistent form of the major N-7 guanine adduct of AFB1).
Sensitivity: Monoclonal antibody reacts specifically with Aflatoxin B1.
Host animal: Mouse
Clone: 7B11
Isotype: IgG1/Kappa
Form: Protein G purified
Cross reactions: Cross reacts with all species. There is no cross-reactivity with other carcinogen-DNA adducts.
Packaging: 0.1 ml of purified antibody.
Appearance: Liquid (glass vial)
Application: Optimal dilution should be determined by the end user. The following are guidelines only: ELISA: 1:50 - 1:100; Immunofluorescence: 1:50 - 1:100; Immunohistochemistry: 1:50 - 1:100.

ANTIGEN BACKGROUND

Introduction: Aflatoxins are naturally occurring mycotoxins that are produced by many species of Aspergillus, a fungus, the most notable ones being Aspergillus flavus and Aspergillus parasiticus. Aflatoxins are toxic and among the most carcinogenic substances known. After entering the body, aflatoxins may be metabolized by the liver to a reactive epoxide intermediate or hydroxylated to become the less harmful aflatoxin M1.
Keywords: AFB1; AFB1-AR1; Aldoketoreductase 7; Aflatoxin B1-DNA Adduct

PACKAGING

Preservative: 0.1% NaN_3
Storage: Short term storage: +4°C. Long term storage: -20°C. Avoid freeze-thaw cycles Storage.
Warning: This is a laboratory reagent. It is not to be administered to human or animals nor be used as a drug.

REFERENCES

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3. Yu, J. Chang, P. K. Ehrlich, K. C. Cary, J. W. Bhatnagar, D. Cleveland, T. E. Payne, G. A. Linz, J. E. Woloshuk, C. P. Bennett, J. W. Applied and Environmental Microbiology (2004), 70(3), 1253-1262.

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