

# Mouse Anti-Aflatoxin B1 Monoclonal Antibody

## Mouse, Monoclonal (Aflatoxin B1)

Cat. No. DMAB8910

Lot. No. (See product label)

### PRODUCT INFORMATION

**Product Overview:** Mouse monoclonal antibody to aflatoxin B1.

**Immunogen:** BSA-Aflatoxin.

**Host animal:** Mouse

**Sensitivity:** Monoclonal antibody reacts with aflatoxin B1.

**Clone:** Dpw6C4

**Isotype:** IgG1/Lambda

**Form:** Ascitic fluid

**Cross reactions:** Cross reacts with B2, G1 and G2.

**Application:** Optimal dilutions should be determined by the end user. The following are guidelines only: ELISA: 1:2000 - 1:10000.

### PACKAGING

**Storage:** Short term storage: +4°C. Long term storage: -20°C

**Warning:** This is a laboratory reagent. It is not to be admin-

### REFERENCES

1. Machida, M; Gomi, K (editors) (2010). Aspergillus: Molecular Biology and Genomics. Caister Academic Press.
2. Fratamico, PM et al. (editors) (2008). Foodborne Pathogens: Microbiology and Molecular Biology. Horizon Scientific Press.
3. Bingham AK, Phillips TD, Bauer JE (March 2003). "Potential for dietary protection against the effects of aflatoxins in animals". J. Am. Vet. Med. Assoc. 222 (5): 591-6.

### 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:** 4-Methoxy-2,3,6a,9a-tetrahydrocyclopenta[c]furo[3',2':4,5]furo[2,3-H]chromene-1,11-dione; 6-methoxydifurocoumarone; afb1; AFBI; AFLATOXIN B; AFLATOXIN B1; AFLATOXIN B1, ASPERGILLUS FLAVUS; 2,3,6aalpha,9aalpha-tetrahydro-4-methoxycyclopenta[c]furo[2',3':4,5]furo[2,3-h]chromene-1,11-dione; AFLATOXIN B1 FROM ASPERGILLUS FLAVUS; AFLATOXIN B(1) FROM ASPERGILLUS FLAVUS, VIAL WITH 10 MG; Aflatoxin B1, crystalline; aflatoxin b1 solution; aflatoxin b1solution; AFLATOXIN B1(RG); (6aR)-4-Methoxy-2,3,6a,9a-tetrahydrocyclopenta[c]furo[3',2':4,5]furo[2,3-h][1]benzopyran-1,11-dione; 2,3,6a,9a-Tetrahydro-4-methoxycyclopenta[c]furo[3',2':4,5]furo[2,3-h][1]benzopyran-1,11-dione

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