

bsm-0440M

[Primary Antibody]

Aflatoxin B1 Mouse mAb



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— DATASHEET —

Host: Mouse

Isotype: IgG

Applications: ELISA (1:5000-10000)

Clonality: Monoclonal

CloneNo.: 12A6

Reactivity: Species independent

Target: Aflatoxin B1

Purification: affinity purified by Protein A/G

Concentration: 1mg/ml

Storage: 0.01M PBS (pH7.4).

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: AFLATOXIN B1 is a potent hepatotoxic and hepatocarcinogenic mycotoxin produced by the *Aspergillus flavus* group of fungi. It is also mutagenic, teratogenic, and causes immunosuppression in animals. It is found as a contaminant in peanuts, cottonseed meal, corn, and other grains. The mycotoxin requires epoxidation to aflatoxin B1 2,3-oxide for activation. Microsomal monooxygenases biotransform the toxin to the less toxic metabolites aflatoxin M1 and Q1.