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## Aflatoxin B1 Mouse mAb

Catalog Number: bsm-0907M

Target Protein: Aflatoxin B1

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 8G3

Isotype: IgG

Purification: affinity purified by Protein A/G

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.