



PRODUCT DATA SHEET

Bioworld Technology, Inc.

Aflatoxin B1 monoclonal antibody

Catalog: MB30068

Host: Mouse

Reactivity: N/A

BackGround:

Aflatoxin B1 is a highly toxic and carcinogenic mycotoxin produced by *Aspergillus flavus* and *Aspergillus parasiticus*, commonly found in peanuts, corn and other crops. It is a potent hepatocarcinogen, and sensitive antibody-based detection methods are essential for food safety monitoring.

Product:

1mg/ml in 0.01M Phosphate Buffered Saline, pH 7.2, 50% glycerol, 0.05% Sodium Azide.

Molecular Weight:

N/A (small molecule hapten)

Swiss-Prot:

Purification&Purity:

Protein G purified

Applications:

ELISA: Use at an assay dependent dilution.

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Reacts only with Aflatoxin B1.

DATA:

Western blot analysis of PTP1B (Phospho-S50) expression in zebrafish (A) whole cell lysates.

Immunohistochemical analysis of PTP1B (Phospho-S50) staining in human breast cancer formalin fixed paraffin embedded tissue section.

The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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