



PRODUCT DATA SHEET

Bioworld Technology, Inc.

Zearalenone monoclonal antibody

Catalog: MB30064

Host: Mouse

Reactivity: N/A

BackGround:

Zearalenone is a mycotoxin produced by *Fusarium* fungi that commonly contaminates cereal crops. It is an estrogenic mycotoxin that can cause reproductive disorders in livestock and humans. Antibody-based detection is used for mycotoxin monitoring in food and feed.

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 Zearalenone.

DATA:

Western blot analysis of PSMC3 expression in MCF7 (A), PC3 (B),

T47D (C), SW620 (D), COS7 (E), C6 (F), Hela (G), A431 (H) whole cell lysates.

Immunohistochemical analysis of PSMC3 staining in human bladder 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.

Immunofluorescent analysis of PSMC3 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Flow cytometric analysis of HeLa cells using Anti-PSMC3 Antibody (green) and negative control (red).

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151