



## PRODUCT DATA SHEET

Bioworld Technology, Inc.

### Deoxynivalenol monoclonal antibody

Catalog: MB30066

Host: Mouse

Reactivity: N/A

#### BackGround:

Deoxynivalenol (DON, vomitoxin) is a trichothecene mycotoxin produced by *Fusarium* species, commonly contaminating wheat, corn and barley. It inhibits protein synthesis and causes feed refusal and vomiting in live-stock. Antibody-based assays are used for DON monitoring in grain 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 Deoxynivalenol.

#### DATA:

Western blot analysis of TCP1 alpha expression in PC3 (A), Hela (B), Jurkat (C) whole cell lysates.

Immunohistochemical analysis of TCP1 alpha 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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