

Mouse Anti-Zearalenone Monoclonal Antibody

Mouse, Monoclonal (Zearalenone)

Cat. No. DMAB8911

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Mouse monoclonal antibody to zearalenone.

Immunogen: BSA-Zearalenone

Host animal: Mouse

Clone: Dpw12D10

Isotype: IgG1/Lambda

Form: Ascitic fluid

Sensitivity: Monoclonal antibody reacts with Zearalenone.

Application: Optimal dilutions should be determined by the end user. The following are guidelines only: ELISA: 1:2000 - 1:10000.

REFERENCES

1. Kuiper-Goodman et al., 1987; Tanaka et al., 1988a.

ANTIGEN BACKGROUND

Introduction: Zearalenone (ZEA), also known as RAL and F-2 mycotoxin, is a potent estrogenic metabolite produced by some *Gibberella* species. Several *Fusarium* species produce toxic substances of considerable concern to livestock and poultry producers: namely, deoxynivalenol, T-2 toxin, HT-2 toxin, diacetoxyscirpenol (DAS) and zearalenone.

Zearalenone is the primary toxin, causing infertility, abortion or other breeding problems, especially in swine. Zearalenone is heat-stable and is found worldwide in a number of cereal crops, such as maize, barley, oats, wheat, rice, and sorghum and also in bread.

Keywords: 7(8h)-dione; compoundf-2; f-2toxin; fusarium-toxin; nci-c50226; toxinf2; trans-zearalenone; MYCOTOXIN F2; ZON; ZENONE; ZEARALENONE; (10s)-zearalenone; (e)--methyl-7-oxo; (s-(e))-xy-3-methyl; (s)-zearalenone; [s-(e)]-xy-3-methyl

PACKAGING

Storage: Short term storage: +4°C. Long term storage: -20°C

Warning: This is a laboratory reagent. It is not to be administered to human or animals nor be used as a drug.