



Zearalenone (11C9): sc-101367

BACKGROUND

Zearalenone, also known as F-2 mycotoxin or RAL, is an estrogenic resorcylic acid lactone compound produced by members of the filamentous fungi family, most of which live in soil and are associated with plants. While several species of filamentous fungi are harmless, some produce toxic substances that, if present in large amounts, can harm livestock, poultry and food crops. Zearalenone, a heat-stable compound, is one of the toxins secreted by filamentous fungi and is found throughout the world in a variety of crops, including rice, oats, corn, wheat and barley. In addition to its negative effect on soil, Zearalenone is the primary cause of breeding problems, such as abortion and infertility, in livestock. Before harvesting, crops are commonly tested for levels of Zearalenone, so as to avoid food-borne contamination.

REFERENCES

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SOURCE

Zearalenone (11C9) is a mouse monoclonal antibody raised against Zearalenone.

PRODUCT

Each vial contains 50 μ g IgG₁ in 0.5 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Zearalenone (11C9) is recommended for detection of Zearalenone by solid phase ELISA (starting dilution 1:50, dilution range 1:50-1:500).

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

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

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.