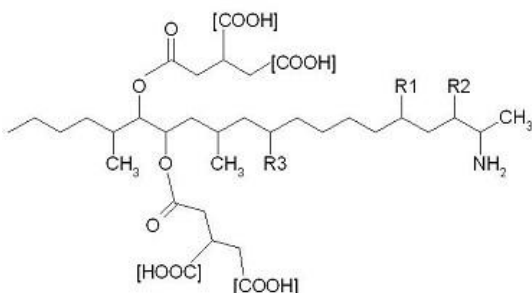


## Fumonisin Monoclonal Antibody

### ORDERING INFORMATION

**Catalog No.:** 90015 (clone 2A2))  
**Format:** 100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.

### BACKGROUND



The fumonisins are a group of mycotoxins produced primarily by *Fusarium verticillioides* and *Fusarium proliferatum*. Maize is the most commonly contaminated crop. *Fusarium verticillioides* and fumonisins are found worldwide. The primary health concerns associated with fumonisins are acute toxic effects in horses and swine and carcinogenic properties. Fumonisins are carcinogenic to laboratory animals, and, in humans, consumption of fumonisin-contaminated maize is associated with higher rates of esophageal cancer and neural tube birth defects. Fumonisins were first characterized in the late 1980s, as a result of studies into the causes of esophageal cancer in Africa, coupled with outbreaks of equine leukoencephalomalacia and porcine pulmonary edema in the U.S.

### SPECIFICATION SUMMARY

**Antigen:** Fumonisin-BSA conjugate.  
**Host species:** Mouse.  
**Antibody Class:** IgG1.  
**Preservative:** None.

### SPECIFICITY

This antibody reacts with *Fusarium* fumonisin mycotoxin.

### APPLICATIONS

**ELISA:** use at 0.1-0.5ug/ml. These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

### RECONSTITUTION

Reconstitute in distilled water.

### STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C to -70°C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*