



Mouse Anti-Fumonisin B1 Monoclonal Antibody, clone GVO-112-2 (CABT-Z387M)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Fumonisin B1
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	N/A
Clone	GVO-112-2
Purification	Purified
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Concentration	Lot specific
Preservative	None
Storage	Store at -20°C long term. Avoid freeze / thaw cycle.
Ship	Wet ice

BACKGROUND

Introduction	Fumonisin B1 is the most prevalent member of a family of toxins, known as fumonisins, produced by several species of Fusarium molds, such as <i>Fusarium verticillioides</i> , which occur
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mainly in maize (corn), wheat and other cereals. Fumonisin B1 contamination of maize has been reported worldwide at mg/kg levels. Human exposure occurs at levels of micrograms to milligrams per day and is greatest in regions where maize products are the dietary staple. Fumonisin B1 is hepatotoxic and nephrotoxic in all animal species tested. The earliest histological change to appear in either the liver or kidney of fumonisin-treated animals is increased apoptosis followed by regenerative cell proliferation. While the acute toxicity of fumonisin is low, it is the known cause of two diseases which occur in domestic animals with rapid onset: equine leukoencephalomalacia and porcine pulmonary oedema syndrome. Both of these diseases involve disturbed sphingolipid metabolism and cardiovascular dysfunction.

Keywords

Fumonisin B1;Fumonisin
