



Mouse Anti-Amanitin monoclonal antibody, clone I4F2 (CABT-L3113)

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

PRODUCT INFORMATION

Product Overview	Mouse Anti-Amanitin mAb
Target	Amanitin
Isotype	IgG
Source/Host	Mouse
Species Reactivity	N/A
Clone	I4F2
Purification	Antibody was produced by ascites and then isolated via Protein A/G chromatography
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid
Concentration	0.5 mg/ml
Size	500 µl
Buffer	PBS
Preservative	0.02% Sodium Azide
Storage	For short term storage, store at 4°C up to 6 months from date of opening or thawing. Long time storage is recommended at -20°C. Avoid repeated freeze-thaw cycles.

BACKGROUND

Introduction

Alpha-amanitin is a produced by the poisonous mushroom: Amanita phalloides. Alpha amanitin has a very strong affinity to RNA polymerase II, but not as strong of an affinity for either RNA RNA polymerase III, and has no affinity for polymerase I, or prokaryotic RNA polymerase. Upon ingesting the mushrooms, symptoms are reported between 10-24 hours. These initial symptoms include: diarrhea and cramps. These symptoms usually go away, but by the fourth or fifth day the alpha-amanitin toxin has severe effects on the liver and kidneys. This leads to a total system failure in both organs and death usually occurs about a week after ingestion of the mushrooms. Diagnosis is difficult and treatments available include antibiotics and pumping of the stomach right after ingestion.

Keywords

Amanitin;alpha Amanitin

GENE INFORMATION

Official Symbol

Amanitin
