ARG10079
anti-Aflatoxin antibody [1C6]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rat Monoclonal antibody [1C6] recognizes Aflatoxin
Tested Reactivity	Other
Tested Application	ELISA
Specificity	The monoclonal antibody [1C6] is reactive to aflatoxin M1 (AFM1) and aflatoxin B1 (AFB1), but not reactive to BSA and other irrelevant antigens by indirect ELISA.
Host	Rat
Clonality	Monoclonal
Clone	1C6
Isotype	IgG2b, kappa
Target Name	Aflatoxin
Immunogen	Winstar rats were immunized with aflatoxin M1-BSA conjugate
Conjugation	Un-conjugated

Application Instructions

Application Note	ELISA: Reactive to aflatoxin M1 (AFM1) and aflatoxin B1 (AFB1) * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.2)
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background	Aflatoxin is a highly toxic mycotoxin produces by a few Aspergillus species. Ingestion of aflatoxin contaminated food causes hepatic necrosis, cirrhosis and cancer in human and animal. Exposure to high level aflatoxin results in acute hepatic failure manifested by heamorrhage, edema, mental disorder and coma. Aflatoxin B1, the most toxic isoform, is produced by Aspergillus flavus and Aspergillus parasiticus.

	Aflatoxin M1 is the metabolic product of B1. M1 is found in the milk of cows that fed on contaminated feed and also in the fermentation broth of Aspergillus parasiticus. Chronic exposure to the toxin in milk and food impedes the normal growth and development in children.
Research Area	Microbiology and Infectious Disease antibody