Anti-Aflatoxin antibody [1C6] ab685

3 References

Overview

Product name: Anti-Aflatoxin antibody [1C6]
Description: Rat monoclonal [1C6] to Aflatoxin
Host species: Rat
Specificity: This antibody reacts with Aflatoxin M1 (AFM1) and Aflatoxin B1 (AFB1). It does not react with BSA and other irrelevant antigens by ELISA. A competitive binding assay using AFM1 as the binding competitor to compete with AFM1-BSA-\(^{125}\)I showed that AFM1 can effectively inhibit the binding of this antibody to AFM1-BSA-\(^{125}\)I and the inhibition degree corresponds to the amounts of AFM1 used. The equilibrium constant K of antibody affinity of this product is \(10^{5}-10^{11}\) M\(^{-1}\).

Tested applications: Suitable for: ELISA
Species reactivity: Reacts with: Species independent
Immunogen: Aflatoxin M1-BSA conjugate

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer: pH: 7.20
Constituent: 0.0268% PBS
Clonality: Monoclonal
Clone number: 1C6
Myeloma: unknown
Isotype: IgG2b
Light chain type: unknown

Applications

Our Abpromise guarantee covers the use of ab685 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Relevance
Aflatoxins are naturally occurring mycotoxins that are produced by many species of Aspergillus.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Target

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<td>ELISA</td>
<td>Use at an assay dependent concentration. This antibody is reactive to purified AFB1 and AF in samples obtained from cereals contaminated with fungus Aspergillus flavus. Therefore, this antibody can be used for construction of an AF detection kit.</td>
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