Product name: Anti-Aflatoxin antibody [1C6] ab685

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^{-9}-10^{-11} M^{-1}.

Tested applications: Suitable for: ELISA

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.
### Application

| ELISA | 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. |

### Target

| Relevance | Aflatoxins are naturally occurring mycotoxins that are produced by many species of Aspergillus. |

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