

Anti-Aflatoxin antibody [1C6] ab685

4 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 ⁹ -10 ¹¹ M ⁻¹ .
Tested applications	Suitable for: ELISA
Species reactivity	Reacts with: Species independent
Immunogen	Full length native protein (purified) corresponding to Aflatoxin conjugated to bovine serum albumin. Aflatoxin M1-BSA conjugate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

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

The Abpromise guarantee 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	Abreviews	Notes
ELISA		Use at an assay dependent concentration. This antibody is reactive to purified AFB1 and AF in samples obtained from cereals contaminated with fungus <i>Aspergillus flavus</i> . 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*.

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

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