

Mouse Ochratoxin A Monoclonal Antibody

Ochratoxin A (Mouse monoclonal)

CATALOG # AAA13532	HOST Mouse	APPLICATIONS ELISA
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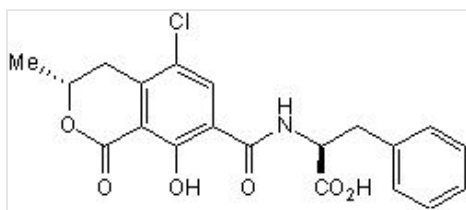
PRODUCT SYNONYMS

Ochratoxin A; Monoclonal Antibody; Ochratoxin A (Mouse monoclonal); Anti-Ochratoxin A antibody; anti-Ochratoxin A antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Purity/Purification	>95% by HPLC & SDS-PAGE Protein A or G purified and supplied in 0.01 M PBS (pH7.4)
Form/Format	Liquid
Concentration	7.7 mg/ml (varies by lot)
Sequence Length	742
Applicable Applications for anti-Ochratoxin A antibody	ELISA
Application Notes	ELISA (1:100000) Other applications have not been tested. The optimal dilutions should be determined by end user.
Sensitivity	0.2 ppb
IC50 Value	0.6-1.5 ppb
Preparation and Storage	Aliquot and store at -20°C for 2 years. Avoid repeated freeze and thaw cycles.

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for anti-Ochratoxin A antibody	Ochratoxins are a group of mycotoxins produced by some Aspergillus species and some Penicillium species, especially P. verrucosum and P. carbonarius. Ochratoxin A is the most prevalent and relevant fungal toxin of this group, while ochratoxins B and C are of lesser importance. Ochratoxin A (OTA), a toxin produced by several species of Aspergillus and Penicillium, is one of the most abundant food-contaminating mycotoxins. There were high levels of OTA contaminations in wheat in the areas with high incidence of esophageal cancer in north China. This finding suggests that exposure to low levels of OTA may be a critical etiological factor for esophageal cancer in these areas. It could induce DNA damage, G2 arrest and apoptosis in Het-1A cells, which may be involved in the esophageal toxicity of OTA. OTA in red chili peppers may be associated with the development of gallbladder cancer.
References	1. Liu J, Wu S, Shen H, Cui J, Wang Y, Xing L, Wang J, Yan X, Zhang X. Ochratoxin A induces DNA damage and G2 phase arrest in human esophageal epithelium Het-1A cells in vitro. J Toxicol Sci. 2015;40(5):657-65. 2. Ikoma T, Tsuchiya Y, Asai T, Okano K, Ito N, Endoh K, Yamamoto M, Nakamura K. Ochratoxin A Contamination of Red Chili Peppers from Chile, Bolivia and Peru, Countries with a High Incidence of Gallbladder Cancer. Asian Pac J Cancer Prev. 2015;16(14):5987-91.

NCBI AND UNIPROT INFORMATION

NCBI GI #	39655051
NCBI Official Full Name	ochratoxin A polyketide synthase, partial

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ochratoxin-a-antibody-elisa/13532>