

## Product information

**Antibody name:** anti-ochratoxin A

**Product number:** O01A-2

**Quantity:** 1 ml

**Clonality/purity:** polyclonal antibodies

**Host:** rabbit

**Immunogen:** ochratoxin A conjugated to BSA

**Applications:** ELISA. Optimal dilutions are dependent on conditions and should be determined by the user. Other applications not tested.

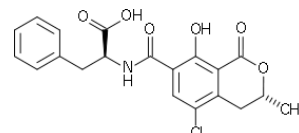
**Specificity:** reacts with ochratoxin A from *Aspergillus ochraceus*. Crossreaction with ochratoxin B - 2%

**Storage buffer:** Phosphate buffered saline, pH 7.2; 0.05% Sodium Azide (NaN<sub>3</sub>)

**Storage:** Store at +4 °C up to one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing.

**Description:** Ochratoxin A, a toxin produced by *Aspergillus ochraceus* and *Penicillium verrucosum*, is one of the most abundant food-contaminating mycotoxins in the world. Human exposure occurs mainly through consumption of improperly stored food products, particularly contaminated grain and pork products, as well as coffee, wine grapes and dried grapes. The toxin has been found in the tissues and organs of animals, including human blood and breast milk. Ochratoxin A can cause immunosuppression and immunotoxicity in animals. The toxin's immunosuppressant activity in animals may include depressed antibody responses, reduced size of immune organs (such as the thymus, spleen, and lymph nodes), changes in immune cell number and function, and altered cytokine production. Immunotoxicity probably results from cell death following apoptosis and necrosis, in combination with slow replacement of affected immune cells due to inhibition of protein synthesis.

**Related products:** The antibodies are available in the form of ELISA-tests and immunosticks for rapid sample preparation. Please, contact us for information on these products.



Structure of ochratoxin A