

Product information

Antibody name: anti-deoxynivalenol (vomitoxin)

Product number: D01F-2

Quantity: 1 ml

Clonality/purity: polyclonal antibodies

Host: rabbit

Immunogen: deoxynivalenol conjugated to BSA

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

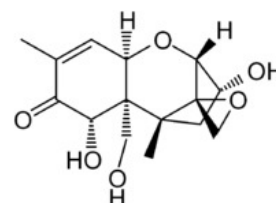
Specificity: reacts with *Fusarium* species

Storage buffer: Phosphate buffered saline, pH 7.2; 0.05% Sodium Azide (NaN₃)

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

Description: Deoxynivalenol (DON) or vomitoxin, is a type B trichothecene, an epoxy-sesquiterpeneoid. This mycotoxin occurs predominantly in grains such as wheat, barley, oats, rye, and maize, and less often in rice, sorghum, and triticale. The occurrence of deoxynivalenol is associated primarily with *Fusarium graminearum* (*Gibberella zeae*) and *F. culmorum*, both of which are important plant pathogens which cause *Fusarium* head blight in wheat and *Gibberella* ear rot in maize. A direct relationship between the incidence of *Fusarium* head blight and contamination of wheat with deoxynivalenol has been established. The incidence of *Fusarium* head blight is strongly associated with moisture at the time of flowering (anthesis), and the timing of rainfall, rather than the amount, is the most critical factor. Furthermore, deoxynivalenol contents are significantly affected by the susceptibility of cultivars towards *Fusarium* species, previous crop, tillage practices, and fungicide use.

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 deoxynivalenol