

# Agrisera

This product is **for research use only** (not for diagnostic or therapeutic use)

contact: [support@agrisera.com](mailto:support@agrisera.com)

Agrisera AB | Box 57 | SE-91121 Vännäs | Sweden | +46 (0)935 33 000 | [www.agrisera.com](http://www.agrisera.com)

product **AS16 3843**

## DON | Deoxynivalenol (monoclonal)

### product information

<b>Background</b>	<p><b>Deoxynivalenol (DON)</b> is a mycotoxin occurring in grains such as barley, maize, oats, rye, and wheat. It occurs less often in rice, sorghum, and triticale. The plant pathogens <i>Fusarium graminearum</i> (<i>Gibberella zea</i>) and <i>F. culmorum</i>, which are causing <i>Gibberella</i> ear rot in maize and <i>Fusarium</i> head blight in wheat, are associated with the occurrence of Deoxynivalenol. DON is a type B trichothecene, an epoxy-sesquiterpeneoid.</p> <p>Alternative name: Vomitoxin.</p>
<b>Immunogen</b>	<p><u>KLH</u>-conjugated deoxynivalenol.</p>
<b>Host</b>	<p>Mouse</p>
<b>Clonality</b>	<p>Monoclonal</p>
<b>Purity</b>	<p>Purified using Caprylic Acid and Ammonium Sulfate precipitation</p>
<b>Format</b>	<p>Liquid in PBS pH 7.4</p>
<b>Quantity</b>	<p>1 mg</p>
<b>Storage</b>	<p>For several weeks at 4°C with addition of 0.03% Sodium Azide. For long time storage, aliquot and store product at -20°C. Avoid cycles of freezing and thawing. Expiration date is three years from the date of shipment if antibody is stored properly.</p>
<b>Tested applications</b>	<p>ELISA (ELISA), Immunoaffinity Chromatography (IAC), Rapid Test</p>
<b>Related products</b>	<p><a href="#">AS11 1675</a>   Anti-DON   deoxynivalenol (1 mg total IgG), rabbit polyclonal antibody</p> <p><a href="#">AS11 1654</a>   Anti-DON   deoxynivalenol (100 ul serum), rabbit polyclonal antibody</p> <p><a href="#">AS11 1686</a>   Anti-DON   deoxynivalenol (1 ml serum), rabbit polyclonal antibody</p> <p><a href="#">AS11 1711</a>   Anti-DON   deoxynivalenol (0.2 mg total IgG), rabbit polyclonal antibody</p> <p><a href="#">Secondary antibodies</a></p>

### Application information

<b>Recommended dilution</b>	<p>The optimal working dilution should be determined by the investigator.</p>
<b>Additional information</b>	<p>Sensitivity in ELISA: 1 ng/ml, rapid test sensitivity 3 ng/ml.</p> <p>Cross reactivities are listed below: Deoxynivalenol, 5 ng/mL. 3-Acetyldeoxynivalenol, 0.3 ng/mL. 15-Acetyldeoxynivalenol, 15 ng/mL</p>
<b>Selected references</b>	<p>To be added when available, antibody released in May 2016.</p>