

# PRODUCT SPECIFICATION

STATENS  
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## HYB 276-02 Anti Triazines

*Mouse monoclonal antibody*

<b>Article No.</b>	48804 (0.2 mL), 101071 (1.0 mL)													
<b>Product Name</b>	HYB 276-02 Anti Triazines													
<b>Clone</b>	12 E3 2.0 C4													
<b>Subclass</b>	IgG1 / kappa													
<b>Description</b>	<b>Preparation:</b>	Protein-A purified												
	<b>Concentration:</b>	1 mg/mL $\pm$ 10%, based on A <sub>280</sub> . See Certificate of Analysis for details.												
	<b>Solvent:</b>	PBS, pH 7.2 – 7.4												
	<b>Storage:</b>	-18 °C or colder												
<b>Antigen</b>	The pesticides (herbicides) cyanazine, propazine, terbuthylazine and atrazine.													
<b>Immunogen</b>	Triazine-derivative coupled to carrier protein (1).													
<b>Specificity</b>	No cross-reactivities higher than 3.2% were found for other closely related compounds (1).													
<b>Epitope Specificity</b>	Not determined.													
<b>Reactivity</b>	This antibody is highly reactive to surfaces coated with proteins conjugated with triazine-derivatives such as HAP 0018 (1). In a competitive assay the antibody can be inhibited by ppb amounts of free triazines.													
<b>Culture Medium</b>	Dulbecco's modified Eagle's medium with 10% fetal calf serum.													
<b>Fusion Partner</b>	X63-Ag8.653.													
<b>Immunization</b>	Female CF1xBalb/c F1 hybrid mice were immunized i.p. with immunogen.													
<b>Application</b>	<table><thead><tr><th>Method</th><th>Usability</th><th>References</th></tr></thead><tbody><tr><td>ELISA</td><td>yes</td><td>1-2</td></tr><tr><td>Immunoblotting</td><td>nd.</td><td></td></tr><tr><td>Immunofluorescence</td><td>nd.</td><td></td></tr></tbody></table>	Method	Usability	References	ELISA	yes	1-2	Immunoblotting	nd.		Immunofluorescence	nd.		
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<b>References</b>	1) Bruun, L., Koch, C., Jakobsen, M.H., Pedersen, B., Christiansen, M. & Aamand, J. 2001: Characterization of monoclonal antibodies raised against different structures belonging to the s-triazine group of herbicides. Analytica Chimica Acta 436, 87-101. 2) Bruun, L., Koch, C., Jakobsen, M.H. & Aamand, J. 2000: A new monoclonal antibody for the sensitive detection of cyanazine and other s-Triazines in water by ELISA. Food and Agricultural Immunology 12 (4), 253-262.													

### Conditions

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