

PRODUCT SPECIFICATION

STATENS
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INSTITUT



HYB 283-02 Anti Hydroxytriazines

Mouse monoclonal antibody

Article No.	48805 (0.2 mL), 101072 (1.0 mL)		
Product Name	HYB 283-02 Anti Hydroxytriazines		
Clone	9C4		
Subclass	IgG1 / kappa		
Description	Preparation:	Protein-A purified	
	Concentration:	1 mg/mL \pm 10%, based on A ₂₈₀ . See Certificate of Analysis for details.	
	Solvent:	PBS, pH 7.2 – 7.4	
	Storage:	-18 °C or colder	
Antigen	The pesticide (herbicide) metabolites hydroxypropazine, hydroxyatrazine and hydroxysimazine.		
Immunogen	Hydroxytriazine-derivative coupled to carrier protein (1, 3).		
Specificity	No cross-reactivity was found for other closely related compounds.		
Epitope Specificity	Not determined.		
Reactivity	This antibody is highly reactive to surfaces coated with proteins conjugated with hydroxytriazine-derivatives such as HAP 0027 (1-3) In a competitive assay the antibody can be inhibited by ppb amounts of free hydroxytriazines.		
Culture Medium	Dulbecco's modified Eagle's medium with 10% fetal calf serum.		
Fusion Partner	SP2/O-Ag14.		
Immunization	Female CF1xBalb/c F1 hybrid mice were immunized i.p. with immunogen.		
Application	Method	Usability	References
	ELISA	Yes	1,3
	Immunoblotting	nd.	
	Immunofluorescence	nd.	
	Immunomicroarray	Yes	2
References	1) L. Bruun, C. Koch, M. H. Jakobsen and J. Aamand (2000). A New Monoclonal Antibody for the Sensitive Detection of Hydroxy-s-triazines in water By Enzyme-Linked Immunosorbent Assay. <i>Analytica Chimica Acta</i> 423, 205-213.		
	2) E. Belleville, M. Dufva, J. Aamand, L. Bruun, L. Clausen and C. B. V. Christensen (2004) Quantitative microarray pesticide analysis, <i>Journal of Immunological Methods</i> 286 (1-2) 219-229.		
	3) L. Bruun, C. Koch, M. Jakobsen, B. Pedersen, M. Christiansen and J. Aamand (2001). Characterisation of antibodies raised against different triazine structures. <i>Analytica Chimica Acta</i> 436, 87-101.		

Conditions

For research use only. Not for use in diagnostic procedures. Not for therapeutic use or applications.

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