



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Rabbit anti Alkylphenols (nonylphenol; octylphenol)

Catalogue number: **M35s**

Clone	Polyclonal
Product Type	Serum
Units	0.1 ml
Host	Rabbit
Application	ELISA Immuno affinity chromatography

## Distributors

For Purchasing Information,  
please contact your local  
distributor

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### Background

Alkylphenols are used as starting material for the production of surface active substances, detergents, pesticides, paints, textile and paper. It is released during production and use of these products. Alkylphenols are recognized as endocrine disruptors, in particular estrogenic endocrine disruptors. A highly comparable compound is octylphenol.

### Source

Rabbit immune serum

### Product

Each vial contains 0.1 ml of rabbit polyclonal antiserum in phosphate buffered saline (PBS; pH 7.2) containing 0.02% sodium azide.

### Applications

The antibody may be used in ELISA and Immuno-affinity-chromatography (IAC). The titer of the antibody is approximately 100,000 (the titer is defined as the dilution giving 50 % binding).

### Cross Reactivity

The antibody was tested for specificity using 2 different conjugates: BSA-C6-AP and BSA-C8-AP. Cross Reactivity BSA-C6-AP BSA-C8-AP

4-Octylphenol	100%	100%
4-tert-Butylphenol	67%	27%
2-sec-Butylphenol	8%	1%
4-pentylphenol	1167%	2000%
4-n-heptylphenol	142%	133%
4-n-propylphenol	500%	250%
2-n-propylphenol	0,20%	0%
4-Isopropylphenol	333%	100%
4-n-hexylphenol	667%	1667%
4-chloro-2-cyclo-hexylphenol	0%	1%
nonylphenol(tech)	20%	134%
4-n-nonylphenol	42%	40%
bisphenolA	4%	7%
4-cumylphenol	n.d.	10%
4,4'-(ethylidene)bisphenol	n.d.	10%
Bisphenol-A	n.d.	0,1%
Bisphenol A diglycidyl ether	n.d.	1%
4,4'-cyclohexylidene bisphenol	n.d.	0,1%
Bis-(4-		

hydroxyphenyl)-methane n.d. 1%

### **Specificity**

Immunogen: BSA-C8-alkylphenol conjugate, Target: Alkylphenols (a family of comparable compounds; as an example nonylphenol is given), CAS no.: 104-40-5, Solubility target: alcohols

### **Storage**

This antibody working solution is stable for at least 7 days at 4 °C. Precautions of storage should be taken for longer periods. Problems of longterm stability may occur with highly diluted solutions. No other preservative agent has been added to the present formulation. For long storage purposes in solution the addition of sodium azide to 0.02 % is advised with the appropriate precautions of use.

### **References**

1. Meulenberg EP, Koopal K, Rhemrev R. (2005) Immunoassays for alkylphenolic pollutants with endocrine disrupting activity. Intern. J. Environ. Anal. Chem. 85, 871-883.

### **Caution**

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.