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- Trockeneiszuschlag
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- Expressversand

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Rabbit anti Alkylphenols (nonylphenol; octylphenol)

Catalogue number: **M35p**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	0.5 ml
Host	Rabbit
Application	ELISA

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 the production and use of these products. Alkylphenols are recognized as endocrine disruptors, in particular estrogenic endocrine disruptors.

Source

Rabbit IgG purified by caprylic acid extraction.

Product

Each vial contains 0.5 ml 0.8 mg/ml of affinity purified polyclonal antibody in phosphate buffered saline (pH 7.2) containing 0.02% sodium azide

Applications

The antibody may be used in ELISA and IAC. For ELISA, the recommended dilution is 1:200, depending on the conjugate used for detection. For positive controls ELISA plates are coated with 400 ng/ml BSA-conjugated C6/C8-alkylphenol.

Cross Reactivity

Cross Reactivity BSA-C6-AP BSA-C8-AP 4-Octylfenol 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-propylfenol 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

Target: Alkylphenols (a family of comparable compounds; as an example nonylphenol is given), CAS no.: 104-40-5

Storage

This working antibody solution is stable for at least 7 days at 4 °C. Precautions should be taken upon storage for longer periods. Problems of long term stability may occur with highly diluted solutions. For long storage purposes to diluted solutions the addition of sodium azide at 0.02 % is advised with the appropriate precautions of use.

References

1. Meulenber 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.