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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Rabbit anti Bisphenol A

Catalogue number: **K66p**

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

Bisphenol A (BPA) is predominantly used in the production of polycarbonate plastics and epoxy resins that are used in many products. It is released into the environment and food. BPA is an endocrine disruptor with estrogenic and obesogenic properties. It influences reproduction and has an epigenetic effect already in the foetus.

Source

Rabbit immune serum, purified by caprylic acid extraction.

Product

Each vial contains 0.5 ml 0.8 mg/ml of purified (caprylic acid) Rabbit Polyclonal IgG

Applications

The antibody may be used in ELISA and IAC. Dilution of 1/15,000 from the delivered solution. (The titer is defined as the dilution that gives 50 % of the absorbance from the maximum absorbance when tested with ELISA). Suggested concentration to use in ELISA : 1/15,000 from the delivered solution. HRP-conjugated derivative as a tracer

Cross Reactivity

Molecules containing a phenolic group % Cross Reactivity
 Bisphenol A 100% 4,4'-(ethylidene) bisphenol 10% Bis-(4-hydroxy phenyl)-methane 1% Nonylphenol 1% 4-cumylphenol 20%
 Molecules lacking a phenolic group % Cross Reactivity Vinclozolin 0.1% Pirimifos-ethyl < 0.1% 17β-Estradiol < 0.1% 2,4 D 0.1% Sulfadimidine < 0.1% Cross Reactivity in an indirect assay Molecules containing a phenolic group % Cross Reactivity Bisphenol A 100% 4,4'-(ethylidene) bisphenol 10% Bis-(4-hydroxyphenyl)-methane 1 % 4-cumylphenol 100% Molecules lacking a phenolic group % Cross Reactivity Vinclozolin < 0.1% Pirimifos-ethyl < 0.1% 2,4 D 0.1% Fenitrothion < 0.1% Chlorpyrifos-methyl < 0.1% Erythromycine < 0.1%

Specificity

Immunogen: BSA-Bisphenol Valeric Acid (BVA), Target: Bisphenol A, CAS no.: 80-05-7, Solubility: Acetone, Ethanol, Ether, Benzene.

Storage

Store at 4 °C or aliquot and store at -20 °C for longer periods. Precautions should be taken upon storage for longer periods. Problems of long term 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 at 0.02 % is advised with the appropriate precautions of use.

References

1. Eline P. Meulenberg, Kees Koopal and Ria Rhemrev - Immunoassays for alkylphenolic pollutants with endocrine disrupting activity. Intern. J. Environ. Anal. Chem. Vol 85, no 12-13, 15 October-15 November 2005, 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.