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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Rabbit anti Bisphenol A

Catalogue number: **K67s**

Clone	Polyclonal
Product Type	Serum
Units	0.1 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

Product

Each vial contains 0.1 ml of serum

Applications

Dilution of 1/50,000 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: 1/50,000 from the delivered solution. Plates are coated with 400 ng/ml OVA-Bisphenol Valeric Acid (BVA). HRP-conjugated anti-rabbit IgG as a tracer 1/8,000

Cross Reactivity

Cross Reactivity in a direct assay Molecules containing a phenolic group % Cross Reactivity Bisphenol A 100% 4,4'-(ethylidene) bisphenol 10% Bis-(4-hydroxy phenyl)-methane 1% Nonylphenol 0.1% 4-cumylphenol 1% Molecules lacking a phenolic group % Cross Reactivity Vinclozolin 0.1% Pirimifos-ethyl < 0.1% 17 β -Estradiol < 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% 4-cumylphenol 10% 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
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