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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Rabbit anti Chlorpyrifos

Catalogue number: **H35s**

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

Chlorpyrifos is an insecticide belonging to the group of organophosphothioates. It is used in the culture of vegetables and in citrus orchards. Chlorpyrifos is an acetylcholinesterase inhibitor and as such having a highly toxic effect on the nervous system. There is evidence that chlorpyrifos has an effect on the foetus, which may lead to behavioural disorders.

Source

Rabbit immune serum

Product

Each vial contains 0.1 ml rabbit polyclonal antiserum

Applications

The antibody may be used in ELISA and Immuno-affinity-chromatography (IAC). Suggested dilution 1:8000 in ELISA (this titer is defined as the dilution that gives 50 % of the absorbance from the maximum absorbance when tested with ELISA). Plates are coated with 400 ng/ml ovalbumin conjugated-chlorpyrifos. HRP-conjugated anti-rabbit IgG should be used as a tracer in a 1:8,000 dilution.

Cross Reactivity

The specificity of the antibody was determined by measuring the cross-reactivity in ELISA for a range of compounds. Cross Reactivity Pesticides % Cross Reactivity Chlorpyrifos 100% (2,4-dichlorophenoxy)acetic acid <0.1% Pirimiphos <0.1% Deltametrin <0.1% Fenitrothion <0.1% Permethrin <0.1% Etrimphos <0.1% Atrazine <0.1% Methacrimphos <0.1% Aldicarb <0.1% Malathion <0.1% Tebuconazole <0.1%

Specificity

Immunogen: BSA-Chlorpyrifos Conjugate, Target: Chlorpyrifos, CAS no.: 2921-88-2, Solubility: Methanol, Iso-octanol, Benzene.

Storage

Store at 4 °C or -20 °C. The working antibody solution is stable for at least 7 days at 4 °C. Precautions should be taken for 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 to 0.02 % is advised with the appropriate precautions of use.

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.