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Rabbit anti Ibuprofen

Catalogue number: **M51pA**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	1 ml
Host	Rabbit
Application	ELISA Immuno affinity chromatography

Distributors

For Purchasing Information, please contact your local distributor

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Background

Ibuprofen is an anti-inflammatory drug used for pain relief, fever reduction and against swelling. It is one of the most sold over-the-counter drugs. It is found in the environment, especially in the water environment in the vicinity of large cities and hospitals.

Source

Rabbit immune serum

Product

Each vial contains 1 ml ProtA purified polyclonal rabbit antibody

Applications

The antibody may be used in ELISA and Immuno-affinity-chromatography (IAC). Suggested dilution 1:300 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 ovalbumine-conjugated derivative. 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 Compound tested % Cross- reactivity Ibuprofen 100% Bezafibrate 0.4% Gemfibrozil 0.2% Bisphenol A 0.6% Carazolol <0.1% Metoprolol 0.1% Chlorpyrifos 0.3% Naproxen 2.2% Clofibrinic acid 0.3% Nonylphenol 1.3% Diclofenac <0.1% Octylphenol 0.6% Erythromycine 0.1% Propanolol 0.1% Fenitrothion 0.5% Vinclizolin <0.1% Fenofibrate 0.5% Zearalenon 0.2%

Specificity

Immunogen: BSA-Ibuprofen derivative conjugate, Target: Ibuprofen, CAS no.: 15687-27-1, Solubility: Organic solvents, PEGs.

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 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. Derksen JGM, van Eijnatten GM, Lahr J, van der Linde P, Kroon AGM. (2000) Environmental effects of human pharmaceuticals, p. 225, RIWA Report 2000.051, Lelystad, The Netherlands.
2. Meulenber EP, Peelen GOH, Lukkien E, Koopal K. (2005) Immunochemical detection methods for bioactive pollutants. Intern. J. Environ. Anal. Chem. 85, 861-870

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.