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Rabbit anti Ibuprofen

Catalogue number: **M51s**

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

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 neighbourhood of large cities and hospitals.

Source

Rabbit immune serum

Product

Each vial contains 0.1 ml 10mg/ml serum

Applications

Dilution of 1/7,000 from the delivered immune serum. (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 : 1/5,000 from the delivered solution. Plates are coated with 400 ng/ml OVA- derivative. HRP-conjugated anti-rabbit IgG as a tracer 1/8,000

Cross Reactivity

Compound tested % Cross- reactivity Bezaifibrate 0.4% Gemfibrozil 0.2% Bisphenol A 0.6% Ibuprofen 100% 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% Vinclozolin <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 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. J.G.M. Derksen, G.M. van Eijnatten, J Lahr, P. van der Linde and A.G.M. Kroon - Environmental Effects of Human Pharmaceuticals, p 225, RIWA Report 2000.051, Leleystad, The Netherlands
2. Eline P. Meulenbergh, Gijbert O.H. Peelen, Eddie Lukkien and Kees Koopal - Immunochemical detection methods for bioactive pollutants - Intern. J. Environ. Anal. Chem. Vol. 85, No. 12-13, 15 October-15 November 2005, 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.