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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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- Mindermengenzuschlag
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Rabbit anti Rat IgG1 IgG2a IgG2b IgG2c (heavy and light chains), conjugated with Biotin

Catalogue number: **RARa/IgG(H+L)/Bio**

Clone	Polyclonal
Product Type	Secondary Antibodies
Units	1 ml
Host	Rabbit
Species reactivity	Rat
Application	Dot blot ELISA Immunoblotting Immunocytochemistry Immunohistochemistry (paraffin)

Background

The reactivity of the antiserum is directed to the Fc and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. It does not react with any non-Ig protein in rat serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In immunocytochemical and immunohistochemical staining to identify and measure IgG, antigen or antibody, at the cellular and subcellular level by staining of appropriately treated cell and tissue substrates, and to demonstrate circulating antibodies in serodiagnostic microbiology and autoimmune diseases; to identify a specific antigen or immune complex using a reference antibody of rat origin in the middle layer of the indirect test procedure. As a second step an avidin or streptavidin conjugate of the user's choice has to be used. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.

Source

Purified normal IgG isolated from pooled rat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Biotin-coupled purified hyperimmune rabbit IgG lyophilized from a

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solution in phosphate buffered saline (PBS, pH 7.2). No preservative added.

Applications

ELISA, Immunocytochemistry, Immunohistochemistry (paraffin), Dot blot, Immunoblotting.

Cross Reactivity

Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has been tested in double radial immunodiffusion with the following results: Bovine + Cat ± Chicken - Dog ± Duck - ferret + Goat + Guinea Pig + Hamster + Horse + Human ± Mouse + Monkey + pigeon - Sheep + Swine + Turkey - A negative cross-reaction in double radial immunodiffusion does not exclude some reaction in more sensitive techniques.

Specificity

Biotin-conjugated IgG fraction of polyclonal Rabbit antiSerum to Rat IgG, heavy and light chains.

Storage

The lyophilized conjugate is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. It is reconstituted by adding 1 ml sterile distilled water, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the immunoconjugate. Lyophilized at +4°C--at least 10 years. Reconstituted at or below -20°C--3-5 years. Reconstituted at +4°C--7 days

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 datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.