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Rabbit anti Mouse IgG1 IgG2a IgG2b IgG3 IgA IgM (heavy and light chains)

Catalogue number: **RAM/Ig**

Clone	Polyclonal
Product Type	Secondary Antibodies
Units	1 ml
Host	Rabbit
Species reactivity	Mouse
Application	Immunoprecipitation

Background

The reactivity of the antiserum is directed to the major isotypes of the mouse immunoglobulin system (classes and both light chain types) including antibodies to common determinants, to class and to the surface determinants of the common Fab portion, as tested by immunoelectrophoresis and double radial immunodiffusion against pooled serum and purified immunoglobulins. In precipitating techniques as immunoelectrophoresis, single and double radial immunodiffusion (Mancini, Ouchterlony) to identify and measure immunoglobulins; as secondary antibody to precipitate the immunoglobulin in normal mouse serum. This antiserum is not intended for use in non-precipitating antibody-binding or other highly sensitive assays. For such uses labelled and unlabelled cytochemical and immunoassay grade reagents meeting the necessary additional specificity and performance requirements are available.

Source

Purified polyclonal IgG and pools of homogenous IgA and IgM isolated from mouse serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Delipidated, heat inactivated, lyophilized stable whole serum No preservative added, as it may interfere with the antibody activity. Total protein and IgG concentration in the antiserum are comparable to those of pooled rabbit serum. No foreign proteins added.

Applications

Immunoprecipitation. In immunoelectrophoresis use 2 μ l or equivalent against 120 μ l antiserum. In double radial

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immunodiffusion use a rosette arrangement with 10 µl antiserum in a 3 mm diameter centre well and 2 µl serum samples (neat and diluted) in 2 mm diameter peripheral wells.

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 + Duck ± Horse + Rat ++ Cat + Goat + Human + Sheep + Chicken - Guinea Pig ++ Monkey + Swine + Dog + Hamster ++ pigeon ± Turkey ± A negative cross-reaction in double radial immunodiffusion does not exclude some reaction in more sensitive techniques.

Specificity

Precipitating polyclonal Rabbit antiSerum to Mouse immunoglobulins, IgG, IgA and IgM, heavy and light chains

Storage

The lyophilized antiserum 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. Working dilutions are prepared 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 product. 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.