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Rabbit anti Human IgG IgA IgM IgD (heavy and light chains)

Catalogue number: **RAHu/Ig(GAMD)**

| | |
|--------------------|----------------------|
| Clone | Polyclonal |
| Product Type | Secondary Antibodies |
| Units | 1 ml |
| Host | Rabbit |
| Species reactivity | Human |
| Application | Immunoprecipitation |

Background

The reactivity of the antiserum is directed to the major isotypes of the human 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 human serum.

Source

Purified normal IgG and fractions containing IgA, IgM and IgD isolated from human 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. No foreign protein added. 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 µl or equivalent against 120 µl antiserum. In double radial 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

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immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this immunoconjugate has not been tested on detail.

Specificity

Precipitating polyclonal Rabbit antiSerum to Human immunoglobulins, IgG, IgA, IgM and IgD, 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.