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Rabbit anti Human IgD (Fc specific)

Catalogue number: **RAHu/IgD(Fc)**

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

Background

The reactivity of the antiserum is restricted to the Fc part of the IgD molecule. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against appropriate concentrations of the immunogen, a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with human serum containing monoclonal IgD. No precipitation reaction is obtained with purified IgG, IgA, IgM, and IgG/Fab fragments. In precipitating techniques as immunoelectrophoresis and radial immunodiffusion (Ouchterlony and Mancini) to identify the presence of IgD in human serum and other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of human IgD from serum or plasma. 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

Highly purified homogenous 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 antiserum. No preservative added. Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal rabbit serum. No foreign proteins added.

Applications

Immunoprecipitation. The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C; prolonged

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storage at or below -20°C. In immunoelectrophoresis use 2 µl serum or equivalent against 120 µl antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µl antiserum in 3 mm diameter center well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells.

Cross Reactivity

The antiSerum does not cross-react with any other component of the Human immunoglobulin system as tested in gel-immunodiffusion techniques. 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 not been tested in detail, because of the low level of IgD in most species.

Specificity

Precipitating polyclonal Rabbit antiSerum to Human IgD, Fc specific.

Storage

Reconstitute the lyophilised antiserum by adding 1 ml sterile distilled water. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day.

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.