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Goat anti Guinea Pig IgG (Fc specific)

Catalogue number: **GAGp/IgG(Fc)**

Clone	Polyclonal
Product Type	Secondary Antibodies
Units	1 ml
Host	Goat
Species reactivity	Guinea Pig
Application	Immunoprecipitation

Background

The reactivity of the antiserum is restricted to the Fc part of both subclasses IgG1 and IgG2. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against normal guinea pig serum a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgG. No precipitation reaction is obtained with purified IgA, IgM, and IgG/Fab fragments. In precipitating techniques as immunoelectrophoresis and radial immunodiffusion to identify the presence of IgG in guinea pig serum or other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of guinea pig IgG from serum or plasma.

Source

Highly purified normal IgG isolated from pooled guinea pig 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 goat serum. No foreign proteins added.

Applications

Immunoprecipitation. 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

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the Guinea Pig immunoglobulin system. Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Crossreactivity of this antiSerum has not been tested in detail.

Specificity

Precipitating polyclonal Goat antiSerum to Guinea Pig IgG, Fc specific

Storage

The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C; prolonged storage at or below -20°C. Reconstitute the lyophilized 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.