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Diagnostik & molekulare Diagnostik



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- Gefahrgutzuschlag
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Sheep anti Guinea Pig IgG1 IgG2 IgA IgM (heavy and light chains)

Catalogue number: **ShAGp/Ig**

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

Background

The reactivity of the antiserum is directed to the Fc and Fab subunits of the major immunoglobulins. It does not react with any non-Ig protein in guinea pig serum, as tested by immunoelectrophoresis and double radial immunodiffusion. In immunoelectrophoresis and single and double radial immunodiffusion (Mancini, Ouchterlony) to identify and measure immunoglobulins; as secondary antibody to precipitate the immunoglobulin in normal guinea pig serum.

Source

Purified normal Ig fractions 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 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 sheep serum. No foreign proteins added.

Applications

Immunoprecipitation. In immunoelectrophoresis use 2 μ l or equivalent against 120 μ l antiserum. In double radial immunodiffusion use a rosette arrangement with 10 μ l antiserum in a 3 mm diameter centre well and 2 μ l 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 not

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been tested in detail.

Specificity

Precipitating polyclonal Sheep antiSerum to Guinea Pig 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.