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Diagnostik & molekulare Diagnostik



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- Trockeneiszuschlag
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Donkey anti Goat IgG (heavy and light chains)

Catalogue number: **DoAG/IgG(H+L)/7S**

Clone	Polyclonal
Product Type	Secondary Antibodies
Units	10 mg
Host	Donkey
Species reactivity	Goat
Application	Dot blot ELISA Immunoblotting Immunofluorescence

Background

The reactivity of the antiserum is directed to the Fc and Fab subunits of both subclasses, IgG1 and IgG2. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. In immunoelectrophoresis against goat serum a single characteristic precipitin line with a spur is usually obtained, representing primarily IgG2. If the IgG1 level in the sample approaches the concentration of IgG2, it may become visible as a second precipitin line. It does not react with any non-Ig protein in goat serum, as tested by immunoelectrophoresis and double radial immunodiffusion. As unlabelled primary or secondary reagent for indirect detection techniques, to prepare conjugates with markers of the user's own choice, to prepare an insoluble immunoaffinity adsorbent or a solid phase antibody reagent by coupling to an artificial carrier and as catching or detection antibody in nonisotopic methodology and solid phase immunochemistry. When applied in any cytochemical or histochemical procedure or solids phase coupling technique, the optimum concentration of the IgG preparation should always be established by titration.

Source

Purified normal IgG isolated from pooled goat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Purified hyperimmune donkey IgG lyophilized from a solution in phosphate buffered saline (PBS, pH 7.2). No preservative added, as it may interfere with the antibody activity. No foreign protein

Distributors

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added.

Applications

Indirect immunofluorescence,ELISA,Dot blot,Immunoblotting.

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 ++ guinea pig ± mouse ± rat ± cat ± hamster - monkey + sheep ++ chicken - horse - pigeon - swine - dog ± human + rabbit ± turkey - A negative cross-reaction in double radial immunodiffusion does not exclude some reaction in more sensitive techniques.

Specificity

Purified IgG fraction of polyclonal Donkey antiSerum to Goat IgG, heavy and light chains

Storage

The lyophilized IgG fraction 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, spun down to remove insoluble particles, divided into small aliquots, frozen and stored at or below -20°C. Prior to use, an aliquot is thawed slowly at ambient temperature, spun down again and used to prepare working dilutions 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.