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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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Goat anti Human Ig lambda light chain (free)

Catalogue number: **GAHu/BJL(HD)**

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

Background

The reactivity of the antiserum is directed to the hidden determinants of Ig lambda light chain. In immunoelectrophoresis this antiserum is only reacting with Bence Jones proteins as well as free light chains of the lambda type. No reaction is obtained with intact polyclonal or monoclonal immunoglobulins. To detect and identify free light chain type and Bence Jones protein in serum or urine by immunoelectrophoresis or double radial immunodiffusion. It is of great importance as an aid in the diagnosis of B cell malignancies such as multiple myeloma and non-Hodgkin lymphoma, and in monitoring their therapy. In immunoelectrophoresis use 1.2 µl of sample in a well with a diameter of 1 mm against 60 µl antiserum in a 20 mm long channel. Electrophoresis for 1 hour, 20 mA. The detection limit of this technique in serum is about 25 mg/l; in the case 100 times concentrated urine is used the detection limit can be brought down to 0.5 mg/l. The fact that in about 40% of the case the Bence Jones protein was only detectable in either serum or urine emphasizes the necessity to investigate both fluids.

Source

A pool of purified Bence Jones lambda proteins isolated from human urine. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

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

Applications

Immunoprecipitation.

Distributors

For Purchasing Information, please contact your local distributor

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Cross Reactivity

Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins and their fragments, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail.

Specificity

Precipitating polyclonal Goat antiSerum to free Human Ig lambda chain

Storage

The lyophilized product 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. 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.