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- Mindermengenzuschlag
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- Gefahrgutzuschlag
- Expressversand

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Goat anti human Ig kappa light chain (free and bound)

Catalogue number: **GAHu/BJK/Ifix**

Clone	Polyclonal
Product Type	Secondary Antibodies
Units	1 ml
Host	Goat

Distributors

For Purchasing Information, please contact your local distributor

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Background

The reactivity of the antiserum is directed to the surface and hidden determinants of Ig kappa light chain. In immunoelectrophoresis this antiserum is reacting with polyclonal and monoclonal immunoglobulins of the kappa type, Bence Jones proteins as well as free light chains of the kappa type. This antiserum does not react with any other protein of human serum or plasma. This antiserum is intended to detect and identify polyclonal immunoglobulins, purified monoclonal immunoglobulins of the kappa type as well as free light chains or Bence Jones proteins of the kappa type in serum or other body fluids using the immunofixation technique. Like immunoelectrophoresis immunofixation is essentially a two step technique. Proteins in a complex mixture are separated by electrophoresis in a gel carrier, followed by immunoprecipitation in situ with the antiserum. Non-precipitated proteins are removed by washing and the precipitated complex is revealed with a protein stain which allows its exact localization. Immunofixation may be the method of choice whenever a high level of sensitivity is required to identify a minor protein component against a high background of other proteins. It enables the detection and identification of more than one paraproteins in serum or of free light chain. The detection limit is approximately 0.5 to 1 mg/ml in the presence of normal levels of immunoglobulins.

Source

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

Product

Goat Ig fraction lyophilized from a solution in phosphate buffered saline (pH 7.2). No preservative added, as it may interfere with the antibody activity.

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

Ig fraction of polyclonal Goat antiSerum to free and bound Human Ig kappa light chain for use in immunofixation

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, 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.