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Rabbit anti Human heparin cofactor II

Catalogue number: **RAHu/HCFII**

Clone	Polyclonal
Product Type	Primary Antibodies
Units	1 ml
Host	Rabbit
Species reactivity	Human
Application	Immunoprecipitation

Background

The reactivity of the antiserum is restricted to heparin cofactor II. In bidimensional electrophoresis against fresh normal human plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified immunogen. No reaction is obtained with any other plasma protein component or serum. In precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of heparin cofactor II in human plasma or other body fluids or to determine its concentration. The presence of non-precipitating antibodies has not been assayed. This does not exclude the use of the antiserum in non-precipitating antibody-binding techniques if proper controls are included.

Source

Heparin cofactor II is a glycoprotein synthesized in the liver and has a molecular weight of 65,000. It is a plasma serine inhibitor of thrombin. Antithrombin III is more slowly inhibited. A hereditary form of inactive heparin cofactor II has been described. Reduced plasma values have been observed in disseminated intravascular coagulopathy and in liver disease. Freund's complete adjuvant is used in the first step of the immunization procedure.

Product

Delidated, heat inactivated, lyophilized, stable whole antiserum. No preservative added. Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal rabbit serum. No foreign proteins added.

Applications

Immunoprecipitation. In immunoelectrophoresis use 2 µl or equivalent against 120 µl antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10

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µl in a 3 mm diameter center well and 2 µl serum samples (neat and serially diluted) in 2 mm diameter peripheral wells. For use in electroimmunodiffusion use a concentration of 2% antiserum in the gel. Measured by quantitative precipitin analysis. The amount of heparin cofactor II precipitated by 1 ml antiserum is approximately 90 µg/ml.

Cross Reactivity

The antiSerum does not cross react with any other component of Human plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. Cross-reactivity of this antiSerum has not been tested in detail.

Specificity

Precipitating polyclonal Rabbit antiSerum to Human heparin cofactor II.

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.