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Rabbit anti Human alpha-2 antiplasmin

Catalogue number: **RAHu/Apl**

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

Background

The defined antibody reactivity is restricted to alpha-2 antiplasmin as tested at the level of sensitivity of immuno-precipitation techniques. A single precipitin line is obtained in bidimensional electrophoresis, immunoelectrophoresis and double radial immunodiffusion (Ouchterlony) which shows a reaction of full identity with the purified immunogen. In precipitating techniques as electroimmunodiffusion (Laurell), immunoelectrophoresis and single and double radial immunodiffusion (Mancini, Ouchterlony). Detection of plasmin-antiplasmin complexes in plasma is evident of plasmin formation and fibrinolysis.

Source

Alpha-2 antiplasmin is a single-chain glycoprotein with a molecular weight of about 65,000. The normal concentration in human plasma is 60 µg/ml. Platelets contain significant amounts of the protein, which is released along with platelet factor 4, following thrombin stimulation. It can form 1:1 complexes with circulating plasmin. Alpha-2 antiplasmin is the most important inhibitor of plasmin-mediated fibrinolysis, but also capable of inactivating factor XIIa, kallikrein, factor XIa, thrombin and factor Xa. The importance of the alpha-2 antiplasmin as regulator of the fibrinolytic system was detected by the discovery of a congenital deficiency. Alpha-2 antiplasmin has been isolated from pooled plasma. 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. Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal rabbit serum. No foreign proteins added.

Distributors

For Purchasing Information, please contact your local distributor

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Applications

Immunoprecipitation. In electroimmunodiffusion the amount of antiserum required in the agarose gel is usually between 1 and 2% depending on the test arrangement.

Cross Reactivity

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

Specificity

Precipitating polyclonal Rabbit antiSerum to Human alpha-2 antiplasmin.

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.