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Datasheet for ABIN458166
anti-Factor I antibody

Overview

Quantity:	1 mL
Target:	Factor I
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Factor I antibody is un-conjugated
Application:	Immuno-electrophoresis (IEP)

Product Details

Immunogen:	Factor I is a serine protease composed of two disulphide-linked chains. The protein has a molecular weight of 88.000 and its mean concentration in human plasma is 35 μ g/ml. It is involved in the regulation of the C3/C5 convertase of either pathway. Using C4-binding protein or factor H splits the a chains of C4b or C3b respectively, which includes their roles in the C3/C5 convertases. It has been isolated as a homogenous protein for use in the antiserum production. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	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. of this antiserum has not been tested in detail.
Characteristics:	Precipitating polyclonal sheep antiserum to human factor I

Product Details

Purification: Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other human serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Target Details

Target: Factor I

Abstract: [Factor I Products](#)

Background: The reactivity of the antiserum is restricted to factor I. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against human EDTA plasma a single precipitin line is obtained and shows a reaction of full identity with the purified immunogen

Application Details

Application Notes: In precipitating techniques as immunoelectrophoresis and single and double radial immunodiffusion (Mancini, Ouchterlony) to identify the presence of F I 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.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Concentration: Total protein and IgG concentration are comparable to those of pooled normal sheep serum. No foreign proteins added. Antibody titre: Precipitin titre not less than 1:128 when tested against normal human plasma in agar-block immunodiffusion titration.

Buffer: Delipidated, heat inactivated, lyophilized, stable IgG fraction.

Preservative: Without preservative

Storage: 4 °C/-20 °C

Storage Comment: 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.