

Datasheet for ABIN458140 **anti-C3a antibody**



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Overview

Quantity:	1 mL
Target:	C3a
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This C3a antibody is un-conjugated
Application:	Immunoelectrophoresis (IEP)

Product Details

Immunogen:	C3a is a component of complement C3 produced by its activation. It has a molecular weight of 8,900. The protein is isolated and purified from pooled normal human plasma. Freund's complete adjuvant is used in the first step of the immunization procedure.
Isotype:	IgG
Specificity:	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 rabbit antiserum to C3a subunit of human complement C3
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:	C3a
Alternative Name:	C3a Subunit of Complement C3 (C3a Products)
Background:	In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against human plasma a single precipitin line is obtained and shows a reaction of full identity with the purified immunogen. The antiserum does not react with any other protein component of human serum or plasma
Pathways:	Complement System

Application Details

Application Notes:	In precipitating techniques as immunoelectrophoresis and single and double radial immunodiffusion (Mancini, Ouchterlony) to identify the presence of complement C3a 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. Determinations of individual complement components can be very useful in defining the exact location of a defect.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of normal pooled rabbit serum. No foreign proteins added. Antibody titre: Precipitin titre not less than 1:16 when tested against normal human plasma in agar-block immunodiffusi
Buffer:	Delipidated, heat inactivated, lyophilized, stable whole serum.
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 add ing 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 ref rozen, and preferably used the same day.