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Datasheet for ABIN457965 **anti-Complement C3d antibody**

Overview

Quantity:	1 mL
Target:	Complement C3d (C3d)
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Complement C3d antibody is un-conjugated
Application:	Immunoelectrophoresis (IEP)

Product Details

Immunogen:	C3d is a component of complement. Cell-bound C3b may undergo limited proteolysis to release the fragment C3c and retain C3d on the membrane. The protein is isolated and purified from pooled normal human serum by precipitation techniques, followed by chromatographical methods. 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 goat antiserum to C3d 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

Product Details

antiserum.

Target Details

Target:	Complement C3d (C3d)
Alternative Name:	C3d Subunit of Complement C3 (C3d Products)
Background:	Tested in immunoelectrophoresis and double radial immunodiffusion against normal human serum, a single precipitin line is obtained and giving a reaction of full identity with the purified immunogen. The antiserum is also reacting with fragments bearing common determinants: C3, C3b, C3bi. The product does not react with any other proteins component of human serum or plasma. In supernatants of sera containing 10% polyethyleneglycol only a reaction with C3d has been obtained

Application Details

Application Notes:	In precipitating techniques as immunoelectrophoresis and single and double radial immunodiffusion (Mancini, Ouchterlony) to identify the presence of complement C3d 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 goat serum. No foreign proteins added. Antibody titre: Precipitin titre not less than 1:16 when tested against normal human plasma in agar-block immunodiffusion
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 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.