

Datasheet for ABIN457974 **anti-C5 antibody**



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Overview

Quantity:	1 mL
Target:	C5
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This C5 antibody is un-conjugated
Application:	Immunodiffusion (ID), Radial Immunodiffusion (RID), Immunoelectrophoresis (IEP)

Product Details

Immunogen:	C5 component of human complement is a plasma protein consisting of two polypeptide chains, alpha, beta, bound by disulphide bonds . It has a molecular weight of 190,000. The activated protein forms with the complement factors C6-C9 the membrane attack complex. The average concentration in plasma is about 70 µ g/ml. The C5 is isolated as a homogenous protein for use in 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 component of human plasma. Inter-species cross-reactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. of this antiserum has not been tested in detail.
Characteristics:	Precipitating polyclonal goat antiserum to the C5 component of human complement
Purification:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate

Product Details

antibodies reacting with other plasma proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Target Details

Target:	C5
Alternative Name:	C5 Component of Complement (C5 Products)
Background:	The reactivity of the antiserum is restricted to C5. In immunoelectrophoresis and radial immunodiffusion (Ouchterlony), using various antiserum concentrations against fresh normal human plasma a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified C5 protein. No reaction is obtained with any other plasma protein component or serum
Pathways:	Complement System , Carbohydrate Homeostasis

Application Details

Application Notes:	In precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of C5 containing complexes 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 more sensitive non-precipitating antibody-binding techniques if proper controls are included.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added. Antibody titre: Precipitin titre 1:32 when tested against in agar-block immunodiffusion titration against human serum.
Buffer:	Delipidated, heat inactivated, lyophilized, stable whole antiserum
Preservative:	Without preservative
Storage:	4 °C