

AP31546FC-N**Polyclonal Antibody to Complement C3c - FITC**

Alternate names:	Complement component 3c
Quantity:	1 ml
Concentration:	15,5 mg/ml
Uniprot ID:	P12247
NCBI:	NP_001075755.1
GeneID:	100009121
Host / Isotype:	Goat / IgG
Immunogen:	C3c is the major fragment resulting from C3 cleavage by C3 convertase and factor I. It is composed of an intact beta chain bound to two fragments of the alpha chain. C3c is isolated and purified from pooled normal rabbit serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilised hyperimmune Ig fraction Buffer System: PBS, pH 7.2 No preservative added, as it may interfere with the antibody activity. No foreign proteins added. Label: FITC – Fluorescein isothiocyanate isomer 1 <i>Absorption / Emission:</i> 492nm / 515nm <i>Molar Ratio:</i> 1,2 Reconstitution: Restore with 1 ml sterile distilled water
Applications:	The fluorescent immunoconjugate to rabbit C3c is used to determine the presence and pattern of C3 in tissue lesions using immunohistochemical staining techniques. Locally deposited immune complexes in tissue usually contain complement, pointing to activation of the classical pathway. Complement activation in vivo implies active disease and may contribute to the elicitation of the pathogenesis and the extent of tissue destruction. Sometimes the diagnosis can be based directly on laboratory findings. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal. <u>Working dilutions</u> are usually between 1/20 and 1/80. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

In immunoelectrophoresis against fresh rabbit serum, a single precipitin line is obtained in the beta-1 region representing native C3. Against serum containing partly activated C3, a precipitin line is obtained which extends from the beta-1 into the alpha-2 region, demonstrating a gradient. In old serum containing totally activated C3 a single precipitin line in the alpha-2 region is obtained. Antisera to C3c can also react with the fragments C3b, C3bi and smaller fragments, since they all carry antigenic determinants of the C3c domain. The product does not react with any other proteins component of rabbit serum or plasma.

Cross-reactivity: The antiserum does not cross-react with any other component of rabbit plasma. Inter-species crossreactivity is a normal feature of antibodies to plasma proteins since they frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.

Species: Rabbit.

Other species not tested.

Add. Information:

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

Storage:

Prior to reconstitution store at 2-8°C.

Following reconstitution store undiluted at 2-8°C for one week

or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.