

## Product datasheet for **AP21436FC-N**

### Complement C3 (C3) Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	<p>This fluorescent immunoconjugate Dog C3c antibody 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.</p> <p>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 on directly on laboratory findings.</p> <p>Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.</p> <p><u>Recommended Dilutions:</u> 1/20-1/80.</p>
Reactivity:	Canine
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	<p>C3c is isolated and purified from pooled normal Dog serum.</p> <p>Freund's complete adjuvant is used in the first step of the immunization procedure.</p>
Specificity:	<p>In immunoelectrophoresis against fresh Dog 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. It does not react with any other proteins component of Dog serum or plasma.</p>
Formulation:	<p>PBS, pH 7.2 without preservatives.</p> <p>Label: FITC</p> <p>State: lyophilized IgG fraction.</p> <p>Label: Fluorescein Isothiocyanate isomer 1</p> <p>Absorption emission: 492 nm / 515 nm</p> <p>Molar ratio: Fluorescein/IgG ~1.7</p>



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<b>Reconstitution Method:</b>	Restore by adding 1 ml of sterile distilled water.
<b>Concentration:</b>	lot specific
<b>Purification:</b>	The IgG fraction is isolated and purified from the antiserum and contains the bulk of the defined antibody specificity. It is free of other serum proteins as tested by immunoelectrophoresis and Double Radial Immunodiffusion. <b>Adsorption:</b> 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.
<b>Conjugation:</b>	FITC
<b>Storage:</b>	Store lyophilized at 2-8°C and reconstituted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid Repeated thawing and freezing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	complement component 3
<b>Database Link:</b>	<a href="#">P01024</a>
<b>Background:</b>	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.
<b>Synonyms:</b>	CPAMD1, Complement component 3