

Product datasheet for **AP21456FC-N**

C1QA Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IHC, IP
Recommended Dilution:	To identify C1q and C1q containing complexes at the cellular level by Immunofluorescence staining of appropriately treated cell and tissue substrates. Determinations of individual C components can be very useful in defining the exact location of a defect. 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. <i>Recommended Working Dilutions: 1/20-1/80.</i>
Reactivity:	Human
Host:	Goat
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The subunit C1q is isolated as a homogenous protein for use in antiserum production. Freund's complete adjuvant is used in the first step of the immunization.
Specificity:	Tested in Immunoelectrophoresis and Double Radial Immunodiffusion against normal Human serum, a single precipitin line is obtained which gives a reaction of full identity with the isolated immunogen. The product does not react with any other proteins component of Human serum or plasma. Inter-species cross-reactivity 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.
Formulation:	PBS, pH 7.2 without preservatives. Label: FITC State: Lyophilized purified hyperimmune IgG fraction Label: Fluorescein Isothiocyanate Isomer 1 Absorption emission: 492 nm / 515 nm Molar ratio: Fluorescein/IgG ~ 1.3
Reconstitution Method:	Restore by adding 1 ml of sterile distilled water.



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Concentration:	lot specific
Purification:	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.
Conjugation:	FITC
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 1, q subcomponent, A chain
Database Link:	Entrez Gene 712 Human P02745
Background:	C1 component of human complement is a complex of three glycoproteins: C1q, C1r and C1s. C1q has a molecular weight of 492.000 and is present in plasma in an average concentration of 80 mg/ml. It consists of a complex of 18 polypeptide chains of three different types, A, B and C; 6 of each type. The subcomponent C1q is responsible for the binding of C1q to immuno-complexes an membranes via the Fc portion of the immunoglobulin.
Synonyms:	Complement C1q, Complement 1q
Note:	<u>Adsorption:</u> Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other dog serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.
Protein Families:	Secreted Protein
Protein Pathways:	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus