

Product datasheet for **AP21456SU-N**

C1QA Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Suitable for use in precipitating techniques as immunoelectrophoresis and single or double radial immunodiffusion to identify the presence of C1q or C1q 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. <u>Antibody Titre:</u> Precipitin titre 1/32 when tested against in agar-block immunodiffusion titration against appropriate concentrations of purified C1q.
Reactivity:	Human
Host:	Goat
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:	The reactivity of the antiserum is restricted to C1q. 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 C1q protein. Complexes containing C1q may also react with the antiserum. No reaction is obtained with C1r, C1s or any other plasma protein component or serum. 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. Cross-reactivity of this antiserum has not been tested in detail.
Formulation:	State: Serum State: Lyophilized, Delipidated, Heat inactivated, Stable Whole Antiserum without preservatives
Reconstitution Method:	Restore by adding 1 ml of sterile distilled water.



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Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of normal goat serum. No foreign proteins added.
Conjugation:	Unconjugated
Storage:	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.
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:	Adsorption: 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