

AP21500SU-N**Polyclonal Antibody to Feline IgA (Fc specific) - Serum**

Alternate names:	Cat IgA, Cat Immunoglobulin A
Quantity:	1 ml
Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal rabbit serum. No foreign proteins added.
Host:	Rabbit
Immunogen:	Highly purified normal IgA isolated from pooled Cat serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilized (delipidated, heat inactivated) stable whole antiserum without preservatives Reconstitution: Restore by adding 1 ml of sterile distilled water
Applications:	In precipitating techniques as Immunoelectrophoresis and Radial Immunodiffusion to identify the presence of IgA in Cat serum and other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of cat IgA from serum or plasma. Immunoelectrophoresis: Use 2 µl serum or equivalent against 120 µl antiserum. Double Radial Immunodiffusion (Ouchterlony): Use a rosette arrangement with 10 µl antiserum in 3 mm diameter center well and 2 µl serum samples (neat and serially) diluted in 2 mm diameter peripheral wells. Antibody titre: 1/32 (Precipitin titre) when tested against pooled normal Cat serum in agar-block immunodiffusion titration. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The reactivity of the antiserum is restricted to the Fc part of the IgA molecule. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against normal cat serum a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgA. No precipitation reaction is obtained with purified IgG, IgM, and IgG/Fab fragments. The antiserum does not cross react with any other component of the Cat Ig system. Interspecies cross reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Cross reactivity of this antiserum has not been tested in detail. Species: Feline. Other species not tested.
Add. Information:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies cross-reacting with other with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Storage:

Store lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer.

Avoid Repeated thawing and freezing.

Shelf life: one year from despatch.