

**AP21435SU-N****Polyclonal Antibody to Feline IgA (secretory) - Serum**

<b>Alternate names:</b>	Cat IgA, Cat Immunoglobulin A
<b>Quantity:</b>	1 ml
<b>Concentration:</b>	Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
<b>Host:</b>	Goat
<b>Immunogen:</b>	Highly purified secretory IgA isolated from pooled Cat milk. Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Format:</b>	<b>State:</b> Lyophilized, Delipidated, Heat inactivated, Stable Whole Antiserum without preservatives <b>Reconstitution:</b> Restore by adding 1 ml of sterile distilled water
<b>Applications:</b>	Precipitating techniques as Immunoelectrophoresis and Single and Double Radial Immunodiffusion (Mancini, Ouchterlony) to identify the presence of IgA in Cat milk or other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of Cat IgA from serum or exocrine secretions. Antisera to IgA or sIgA do not discriminate between serum IgA (monomeric and dimeric) and higher molecular forms such as secretory IgA. This antiserum is not intended for use in non-precipitating antibody-binding or other highly sensitive assays. This does not exclude the use of the antiserum in more sensitive techniques if proper controls are included. <b>Recommended Dilutions:</b> Immunoelectrophoresis: Use 2 µl or equivalent against 120 µl antiserum. Double Radial Immunodiffusion: Use a rosette arrangement with 10 µl antiserum in a 3 mm diameter centre well and 2 µl serum samples (neat and diluted) in 2 mm diameter peripheral wells. <b>Antibody Titre:</b> Precipitin titre not less than 1/32 when tested against normal Cat serum in agar block 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 and the surface and hidden determinants of the secretory component. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against normal cat milk two precipitin lines may be obtained, one representing IgA and the other the free secretory component. Against normal cat serum only IgA is precipitated. 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 immunoglobulin system. Inter-species 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:** Human.  
Other species not tested.
- Add. Information:** **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.
- 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.  
Shelf life: one year from despatch.