

AP33506SU-N**Polyclonal Antibody to Human IgA (secretory) - Serum**

Alternate names:	Human IgA, Human 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:	Sheep
Immunogen:	Highly purified secretory IgA isolated from pooled Human milk. 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 Preservatives: None Reconstitution: Restore by adding 1 ml of sterile distilled water
Applications:	Precipitation. Can be used in precipitating as Immunoelectrophoresis and Radial Immunodiffusion to identify the presence of IgA in Human serum, milk or other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of Human IgA from serum or exocrine secretions. Antisera to IgA do not discriminate between serum IgA (monomeric and dimeric) and higher molecular forms as secretory IgA. This antiserum is not intended for use in non-precipitating antibody-binding or other highly sensitive assays. This does not exclude such use if proper controls are included. <u>Recommended Dilutions:</u> 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. <u>Antibody Titre:</u> Precipitin titre not less than 1/64 when tested against pooled normal human 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 and to surface and hidden determinants of the secretory component as tested in immunoelectrophoresis and radial immunodiffusion. In immunoelectrophoresis using various antiserum concentrations against normal Human milk two precipitin lines may be obtained, one representing IgA and the other the free secretory component. Against normal Human serum only IgA is precipitated. No precipitation reaction is obtained with purified IgG, IgM, and IgG/Fab fragments.
Cross-reactivity: The antiserum does not cross-react with any other component of the human 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: Human.
Other species not tested.
- Add. Information:** **Adsorption:** Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies crossreacting with other components of the immunoglobulin system or reacting with other serum or milk 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 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.
Shelf life: one year from despatch.