

AP21499SU-N**Polyclonal Antibody to Bovine IgA (secretory) - Serum**

Alternate names:	Bovine Immunoglobulin A
Quantity:	1 ml
Concentration:	Total protein and IgG concentration in the antiserum are comparable to those of pooled Rabbit serum. No foreign proteins added.
Host:	Rabbit
Immunogen:	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:	This antibody can be used in precipitating techniques as Immunoelectrophoresis and Radial Immunodiffusion to identify the presence of IgA in Bovine serum, milk or other body fluids or to determine its concentration. Can also be used to prepare an immunoabsorbent for the purification of Bovine 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> <u>Immunoelectrophoresis:</u> Use 2 μ l or equivalent against 120 μ l antiserum. <u>Double Radial Immunodiffusion (Ouchterlony):</u> Use a rosette arrangement with 10 μ l antiserum in a 3 mm diameter centre well and 2 μ l serum samples (neat and diluted) in 2 mm diameter peripheral wells. <u>Antibody titre:</u> Precipitin titre not less than 1/32 when tested against pooled normal Bovine serum in agar block titration. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody 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 bovine milk two precipitin lines may be obtained, one representing IgA and the other the free secretory component. Against normal Bovine 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 Bovine 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: Bovine. 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 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.