

AP21431SU-N**Polyclonal Antibody to Bovine IgG (Fc specific) - Serum**

Alternate names:	Bovine Immunoglobulin G
Quantity:	1 ml
Concentration:	Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
Host / Isotype:	Goat / IgG
Immunogen:	Highly purified normal IgG isolated from pooled Bovine 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:	Can be used in precipitating techniques as Immunoelectrophoresis and Radial Immunodiffusion to identify the presence of IgG in bovine serum or other body fluids or to determine its concentration. To prepare an Immunoabsorbent for the purification of Bovine IgG from serum or plasma. <u>Recommended Dilutions:</u> 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). Precipitin titre: 1/64 when tested against pooled normal bovine 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 IgG molecule. In Immunoelectrophoresis and Radial Immunodiffusion, using various antiserum concentrations against normal Bovine serum a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgG. No precipitation reaction is obtained with purified IgA, IgM, and IgG/Fab fragments. The antiserum does not cross-react with any other component of the bovine immunoglobulin system. Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Crossreactivity 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 cross-reacting with other components of the immunoglobulin system or reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

Storage:

Lyophilized antiserum can be shipped at ambient temperature and may be stored at 2-8°C or at -20°C for prolonged storage.

Dilutions may be prepared by adding PBS, pH 7.2.

If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum.

Diluted antiserum should be stored at 2-8°C, not refrozen, and preferably used the same day.

Avoid Repeated thawing and freezing.

Shelf life: one year from despatch.