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Schillerstr. 5

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 Immunoadsorbent for the purification of Bovine IgG from serum or

plasma.

Recommended Dilutions:

Immunoelectrophoresis: Use 2 μ l serum or equivalent against 120 μ l antiserum. Double Radial Immunodiffusion (Ouchterlony): Use a rosette arrangement with 10 μ l antiserum in 3 mm diameter center well and 2 μ l 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.

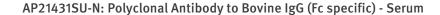
Species: Bovine.

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 antiseum 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 $^{\circ}\text{C}\textsc{,}$ not refrozen, and preferably used the

same day.

Avoid Repeated thawing and freezing. Shelf life: one year from despatch.