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AP31473SU-N Polyclonal Antibody to Bovine Serum Proteins - Serum

Quantity: 1 ml

Host: Sheep

Immunogen: Pooled whole bovine serum and partly purified serum fractions. Freund's complete adjuvant is used in the first step of the immunization procedure.

Format:
State: Delipidated, heat inactivated, lyophilized, stable whole antiserum
Buffer System: No preservative added - No foreign proteins added
Reconstitution: Restore with 1 ml sterile distilled water

Applications:
In precipitating techniques as immunoelectrophoresis and radial immunodiffusion (Ouchterlony) to identify the serum protein pattern, or the presence or absence of an individual component. To evaluate the purity of an isolated serum protein including immunoglobulins. Since immunoprecipitation depends on a correct antigen/antibody concentration ratio (zone of equivalence) in the gel medium, the protein analysis by immunoelectrophoresis of serum or any other biological fluid or protein fraction should include different proportions of the reactants. It is not possible to obtain an optimal protein pattern in a single analysis. The electroendosmosis effect of different types of agar on proteins with a different net charge can be used to optimize the resolution power of the test system. Agar contains sufficient positively charged ions to optimize the resolution of the proteins in the beta-gamma regions, while the alpha regions will become more dense. Highly purified agar with low electroendosmosis favours the resolution of the proteins in the alpha regions, while the major components in the betagamma region can still be identified.
Directions for use:
In immunoelectrophoresis use 2 µl serum or equivalent against 120 µl antiserum.
In 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.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
In immunoelectrophoresis against pooled serum and enriched serum proteins fractions precipitation can be observed of not less than 11 individual proteins components.
Cross reactivity: Inter-species cross reactivity is a normal feature of antibodies to animal proteins since homologous proteins of different species frequently share antigenic determinants. This antiserum has not been adsorbed for such cross reactivity. Consequently it is not species-specific.
Species: Bovine.
Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Storage:

Prior to reconstitution store at 2-8°C.
Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

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