

AP21497SU-N**Polyclonal Antibody to Bovine IgG2 (subclass specific) - Serum**

Alternate names:	Bovine Immunoglobulin 2
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:	Sheep
Immunogen:	Pools of purified normal IgG2 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:	This antibody can be used in precipitating techniques as Immunoelectrophoresis and Radial Immunodiffusion to identify the presence of IgG2 in Bovine serum and other body fluids or to determine its concentration. <u>Recommended Dilutions:</u> <u>Immunoelectrophoresis: Use 2 µl or equivalent against 120 µl antiserum.</u> <u>Double Radial Immunodiffusion (Ouchterlony): 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> <u>Antibody titre: Precipitin titre not less than 1/32 when tested against normal goat serum in agar block titration.</u> Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is directed against the Fc subunit of subclass IgG2. It does not react with other IgG1, IgG/Fab fragments, IgM and IgA or any non-Ig protein in Bovine serum, as tested by Immunoelectrophoresis and Double Radial Immunodiffusion. This IgG fraction is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. Cross-reactivity of this product 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 reacting with the Fc fragments of immunoglobulins or with other plasma proteins. Special attention is given to the removal of antibodies to common Ig/Fab. 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.