

AP33082SU-N**Polyclonal Antibody to Sheep IgG (H+L chain) - Serum**

Alternate names:	Sheep Immunoglobulin G
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:	Purified normal IgG isolated from pooled sheep serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Delipidated, heat inactivated lyophilized stable whole serum Preservatives: None, as it may interfere with the antibody activity. Stabilizers: None Reconstitution: Restore with 1 ml sterile distilled water.
Applications:	Immunoprecipitation. Can be used in immunoelectrophoresis and double radial immunodiffusion to identify the presence of IgG, as secondary antibody to precipitate the immunoglobulin in normal sheep serum, to prepare an immunoadsorbent for the production of Ig-free sheep serum, plasma or non-Ig preparations. <u>Recommended Working Dilutions:</u> Immunoelectrophoresis: use 2 µl or equivalent against 120 µl antiserum. 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>Antibody titre:</u> 1/64 when tested against pooled normal sheep 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 directed to the Fc and Fab subunits of the IgG molecule. It includes a certain degree of reactivity with other immunoglobulins via the common Fab portion. It does not react with any non-Ig protein in sheep serum, as tested by immunoelectrophoresis and double radial immunodiffusion. Cross-reactivity: Inter-species 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 been tested in double radial immunodiffusion with the following results: Bovine: ++, Cat: ±, Chicken: -, Dog: ±, Goat: ++, Guinea pig: ±, Hamster: ±, Horse: +, Human: +, Mouse: +, Monkey: +, Pigeon: -, Rat: +, Swine: +, Turkey: - Species: Sheep. Other species not tested.
Add. Information:	Adsorption: Not required

Storage:

Store lyophilized at 2-8°C for 6 months or at -20°C long term.
After reconstitution store the antibody undiluted at 2-8°C for one month
or (in aliquots) at -20°C long term.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.