

AP33057SU-N**Polyclonal Antibody to Duck IgG (H+L chain) - Serum**

Alternate names:	Duck Immunoglobulin G
Quantity:	1 ml
Concentration:	Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
Host:	Rabbit
Immunogen:	Purified normal Ig fractions isolated from pooled Duck 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:	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 duck serum; to prepare an immunoabsorbent for the production of Ig-free duck serum, plasma or non-Ig preparations. <u>Directions for Use:</u> In immunoelectrophoresis use 2 µl or equivalent against 120 µl antiserum. In double radial immunodiffusion 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> Precipitin titre not less than 1/64 when tested against normal Duck serum in agar block 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 Duck 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: Negative Species: Bovine, Cat, Chicken, Canine (Dog), Goat, Human, Horse, Mouse, Monkey, Rat, Sheep, Swine. Positive Species: Turkey, Goose, Pigeon. A negative cross-reaction in double radial immunodiffusion does not exclude a reaction on more sensitive techniques.
Add. Information:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibody activity with other serum protein. 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 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.