

SP2021**Polyclonal Antibody to Chicken IgG / Chicken IgY (Fc specific) - Serum**

Alternate names:	Chicken Immunoglobulin G, Chicken Immunoglobulin Y
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:	Goat
Immunogen:	Highly purified normal IgG isolated from pooled Chicken 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:	In precipitating techniques as Immuno-electrophoresis and Radial Immunodiffusion to identify the presence of IgG in chicken serum or other body fluids or to determine its concentration. To prepare an immunoadsorbent for the purification of chicken IgG from serum or plasma. <u>Recommended Dilutions:</u> Immuno-electrophoresis: Use 2 µl or equivalent against 120 µl antiserum. 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 1/32 when tested against normal Chicken 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 Immuno-electrophoresis and Radial Immunodiffusion, using various antiserum concentrations against normal chicken 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. Cross-reactivity: The antiserum does not cross-react with any other component of the Chicken 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: Chicken. Other species not tested.
Add. Information:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other dog serum proteins. 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 month or (in aliquots) at -20°C for longer.

Avoid Repeated thawing and freezing.

Shelf life: one year from despatch.