

AP31541SU-N**Polyclonal Antibody to Canine IgG (H+L chain) - Serum**

Alternate names:	dog IgG, dog immunoglobulin G
Quantity:	1 ml
Host:	Goat
Immunogen:	Purified normal IgG isolated from pooled dog serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Delipidated, heat inactivated lyophilized stable whole serum Buffer System: No preservative added, as it may interfere with the antibody activity. No foreign protein added. Reconstitution: Restore with 1 ml sterile distilled water
Applications:	Can be used in precipitating techniques as immunoelectrophoresis and double radial immunodiffusion to identify the presence of IgG; as secondary antibody to precipitate the immunoglobulin in normal dog serum; to prepare an immunoabsorbent for the production of Ig-free dog serum, plasma or non-Ig preparations. <u>Directions for use:</u> In immunoelectrophoresis use 2 ml or equivalent against 120 ml antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 ml antiserum in a 3 mm diameter centre well and 2 ml serum samples (neat and 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:	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 dog serum, as tested by immunoelectrophoresis and double radial immunodiffusion. <u>Cross-reactivity</u> 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 not been tested in detail. Species: Canine. Other species not tested.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.