

**AP33058SU-N****Polyclonal Antibody to Canine IgG (Fc specific) - Serum**

<b>Alternate names:</b>	dog IgG, dog immunoglobulin G
<b>Quantity:</b>	1 ml
<b>Host:</b>	Sheep
<b>Immunogen:</b>	Highly purified normal IgG isolated from pooled Dog serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
<b>Format:</b>	<b>State:</b> Lyophilized (Delipidated, heat inactivated) stable whole antiserum <b>Preservatives:</b> 0.09% Sodium Azide <b>Reconstitution:</b> Restore with 1.0 ml sterile distilled water
<b>Applications:</b>	<b>Immunoprecipitation.</b> Can be used in precipitating techniques as immunoelectrophoresis and radial immunodiffusion to identify the presence of IgG in dog serum or other body fluids or to determine its concentration. To prepare an immunoabsorbent for the purification of dog IgG from serum or plasma. The antiserum is not intended for use in non-precipitating antibody-binding or other highly sensitive techniques. For such uses labelled and unlabelled cytochemical grade reagents raised in goats meeting the necessary additional specificity and performance requirements are available. <u>Directions for Use:</u> Immunoelectrophoresis: Use 2 µl serum or equivalent against 120 µl antiserum. Double Radial Immunodiffusion (Ouchterlony): Use a rosette arrangement with 10 µl antiserum in 3 mm diameter center well and 2 µl serum samples (neat and serially diluted in 2 mm diameter peripheral wells). <u>Precipitin titre:</u> 1/16 when tested against pooled normal dog serum in agar-block immunodiffusion titration. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	The reactivity of the antiserum is restricted to the Fc part of the IgG molecule. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against normal dog 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. <u>Cross-reactivity:</u> The antiserum does not cross-react with any other component of the dog immunoglobulin system. 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. <b>Species:</b> Canine. Other species not tested.
<b>Add. Information:</b>	<u>Adsorption:</u> Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies cross-reacting with other components of the immunoglobulin system or reacting with other 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 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.