

**AP21449SU-N****Polyclonal Antibody to Equine IgG1 - Serum**

<b>Alternate names:</b>	Horse IgG, Horse Immunoglobulin G
<b>Quantity:</b>	1 ml
<b>Concentration:</b>	Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.
<b>Host:</b>	Goat
<b>Immunogen:</b>	Pools of purified normal IgG1 isolated from pooled serum from tetanus immunized Horses. 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 Serum without preservatives <b>Reconstitution:</b> Restore by adding 1 ml of sterile distilled water
<b>Applications:</b>	Can be used in precipitating techniques as Immuno-electrophoresis and Radial Immunodiffusion to identify the presence of IgG1 in Horse serum and other body fluids or to determine its concentration. To prepare an immuno-adsorbent for the purification of horse IgG1 from serum or plasma. <u>Directions for Use:</u> Immuno-electrophoresis: 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> Precipitin titre not less than 1/32 when tested against pooled normal horse 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 directed to the Fc subunit of subclass IgG1. It does not react with IgG/Fab fragments, IgM and IgA or any non-Ig protein in horse serum, as tested by immuno-electrophoresis and double radial immunodiffusion. <b>Cross-reactivity:</b> This IgG fraction is not species-specific since inter-species cross-reactivity is a normal feature of antisera to immunoglobulins. Cross-reactivity of this product has not been tested in detail.
<b>Add. Information:</b>	<b>Adsorption:</b> 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. Special attention is given to the removal of antibodies to common Ig/Fab. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.
<b>Storage:</b>	Prior to and following reconstitution store the antibody at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.