

AP21501SU-N**Polyclonal Antibody to Goat Kappa/Lambda Light Chain (free and bound) - Serum**

Alternate names:	Goat Ig Light chains kappa and lambda
Quantity:	1 ml
Concentration:	Total protein and IgG concentration in the antiserum are comparable to those of pooled Rabbit serum. No foreign proteins added.
Host:	Rabbit
Immunogen:	Purified Light chains isolated from polyclonal Goat IgG. 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:	This antibody can be used as precipitating antiserum in a variety of Immunodiffusion techniques including Immunoelectrophoresis and Double and Single Radial Immunodiffusion (Mancini, Ouchterlony). It has not been tested for use in Nephelometry, ELISA or Immunochemistry, but this does not exclude such use if proper controls are included. <u>Recommended Dilutions:</u> Immunoelectrophoresis: 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 peripheral wells. Single Immunodiffusion: Use 1% antiserum in agar gel to establish a standard curve. <u>Antibody titre:</u> Precipitin titre not less than 1/64 when tested against normal goat serum in agar block titration. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	As tested in Immunoelectrophoresis and Double Radial Immunodiffusion against pooled normal Goat serum and purified IgG fractions and Light chain preparations, the antiserum reacts with determinants exposed on the surface (SD) and the Fab portion of all intact immunoglobulins, with Fab or F(ab') ₂ subunits, and with free light chains of both types. This antiserum is not Kappa or Lambda chain specific. It does not react with any non-Ig protein in Goat 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 not been tested in detail, but a wide scale of reactivity with IgG of other Mammalian species must be assumed. The degree of cross-reactivity depends in addition to the phylogenetic relationship also on the concentrations of the reactants and the sensitivity of the assay format. Species: Goat. Other species not tested.

Add. Information:

Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required to eliminate antibodies reacting with the Fc fragments of immunoglobulins or with other plasma proteins.

Storage:

Store lyophilized at 2-8°C and reconstituted at 2-8°C for one week or (in aliquots) at -20°C for longer.

Avoid Repeated thawing and freezing.

Shelf life: one year from despatch.