

Product datasheet for **AP21453SU-N**

Human Kappa Light Chain (free and bound) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ID, IP
Recommended Dilution:	Can be used to detect and identify the light chain type of immunoglobulins or free light chains in serum or other body fluids by immunoelectrophoresis or double radial immunodiffusion. <u>Recommended working dilutions:</u> Immunoelectrophoresis: 2 µl serum or equivalent against 120 µl antiserum. Double radial immunodiffusion (Ouchterlony): 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>Antibody titre:</u> 1/32 when tested against normal human serum in agar immunodiffusion block titration.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	A pool of purified Bence Jones kappa proteins isolated from human urine. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	The reactivity of the antiserum is directed to the surface and hidden determinants of Ig kappa light chain. In immunoelectrophoresis this antiserum is reacting with polyclonal and monoclonal immunoglobulins of the kappa type, Bence Jones proteins as well as free light chains of the kappa type. This antiserum does not react with any other protein of human serum or plasma. <u>Cross-reactivity:</u> Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins and their fragments, since Ig of different species frequently share antigenic determinants. Cross-reactivity of this antiserum has not been tested in detail.
Formulation:	State: Serum State: Lyophilized (delipidated, heat inactivated) stable whole antiserum without preservatives
Reconstitution Method:	Restore by adding 1,0 ml of sterile distilled water
Concentration:	Total protein and IgG concentration in the antiserum are comparable to those of pooled normal goat serum. No foreign proteins added.



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Conjugation:	Unconjugated
Storage:	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.
Stability:	Shelf life: one year from despatch.
Note:	<u>Adsorption</u> : Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with human serum proteins.