

## Product datasheet for **AP21453AF-N**

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

#### Product data:

|                       |  |
|-----------------------|--|
| Product Type:         | Primary Antibodies   |
| Applications:         | ELISA, ID, IF, IP, WB  |
| Recommended Dilution: | Can be used in precipitating (Gel Diffusion) and nonprecipitating antibody-binding immunoassays (Indirect Immunofluorescence, Enzyme immunoassays for the detection of polyclonal immunoglobulins, purified monoclonal immunoglobulins of the kappa type as well as free light chains or Bence Jones proteins of the kappa type in serum or other body fluids.; to prepare an insoluble immunoaffinity adsorbent or a solid phase catching antibody reagent by coupling to an artificial carrier; for labeling with a marker of the user's own choice. This immunoconjugate is not pre-diluted. The optimum working dilution of each conjugate should be established by titration before being used. Excess labelled antibody must be avoided because it may cause high unspecific background staining and interfere with the specific signal.<br><i>Recommended Working Dilutions:</i><br>Histochemical and Cytochemical Use: 1/100-1/500.<br>ELISA and comparable non-precipitating antibody-binding assays: 1/500-1/5000.<br><i>Antibody Titre:</i> Precipitin titre not less than 1:64 when tested against normal human serum in agar immunodiffusion block titration. |
| Reactivity:           | Human  |
| Host:                 | Goat   |
| Isotype:              | IgG  |
| 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 <b>does not react</b> with any other protein of Human serum or plasma.<br><b>Cross-reactivity:</b> 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.   |



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| <b>Formulation:</b>           | PBS, pH 7.2<br>State: Azide Free<br>State: Lyophilized purified Hyperimmune IgG fraction<br>Preservative: None  |
| <b>Reconstitution Method:</b> | Restore by adding 1 ml of sterile distilled water   |
| <b>Concentration:</b>         | lot specific  |
| <b>Purification:</b>          | Hyperimmune antisera with strong precipitating activity are selected for Fractionation by Salt-Precipitation and DEAE-Chromatography  |
| <b>Conjugation:</b>           | Unconjugated  |
| <b>Storage:</b>               | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term.<br>Avoid repeated freezing and thawing. |
| <b>Stability:</b>             | Shelf life: one year from despatch.   |
| <b>Note:</b>                  | <b><i>Adsorption:</i></b> Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other human serum proteins.   |