

Product datasheet for **AP21453TC-N**

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

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, ID, IF, IHC, IP
Recommended Dilution:	This conjugate is intended for use in direct immunofluorescence 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. 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. <u>Working dilutions:</u> 1/20 - 1/80.
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 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:	PBS, pH 7.2 without preservatives Label: TRITC State: Lyophilized purified IgG fraction Label: Tetramethylrhodamine Isothiocyanate Absorption emission: 554 nm / 573 nm Molar ratio: Fluorescein/IgG ~1.9



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- Reconstitution Method:** Restore by adding 1 ml of sterile distilled water
- Concentration:** lot specific
- Purification:** The IgG fraction is isolated and purified from the antiserum and contains the bulk of the defined antibody specificity. It is free of other serum proteins as tested by immunoelectrophoresis and double radial immunodiffusion
- Conjugation:** TRITC
- 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:** Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other human serum proteins.