

AP31534TC-N**Polyclonal Antibody to Human Lambda Light Chain (free and bound) - TRITC**

Quantity:	1 ml
Concentration:	10 mg/ml
Host / Isotype:	Goat / IgG
Immunogen:	A pool of purified Bence Jones lambda proteins isolated from human urine. Freund's complete adjuvant is used in the first step of the immunization procedure.
Format:	State: Lyophilised hyperimmune Ig fraction Purification: DEAE-column Chromatography Buffer System: PBS, pH 7.2 No preservative added, as it may interfere with the antibody activity. No foreign proteins added. Label: TRITC – Tetramethylrhodamine isothiocyanate isomer R. Fluorescent marker: To avoid nonspecific background staining, specially synthesized and exceptionally pure crystalline isomer R has been used instead of the usual racemic mixture. Although its fluorescence efficiency is less than of FITC, conjugates have the advantage of significantly less photo bleaching. This facilitates their use in quantitative cell-counting procedures. Conjugation procedure: A proprietary technique for the binding to is used, followed by several purification steps to remove free reactants and protein aggregates. After each step activity and specificity are tested in a variety of techniques. The conjugate is lyophilized to assure stability and long shelf life <i>Absorption / Emission:</i> 554 nm / 573 nm <i>Molar Ratio:</i> 1,9 Reconstitution: Restore with 1 ml sterile distilled water.
Applications:	This conjugate is intended for use in direct immunofluorescence for the detection of polyclonal immunoglobulins, purified monoclonal immunoglobulins of the lambda type as well as free light chains or Bence Jones proteins of the lambda 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> are usually between 1/10 and 1/40. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:	The reactivity of the antiserum is directed to the surface and hidden determinants of Ig lambda light chain. In immunoelectrophoresis this antiserum is reacting with polyclonal and monoclonal immunoglobulins of the lambda type, Bence Jones proteins as well as free light chains of the lambda 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. Species: Human. Other species not tested.
Add. Information:	Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate antibodies reacting with other human serum proteins.
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store undiluted at 2-8°C for one week or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.