

R1402TR**Polyclonal Antibody to Human Lambda Light Chain (F(ab)2 Fragment) - Texas Red**

Quantity:	1 mg
Concentration:	1.0 mg/ml (by UV absorbance at 280 nm)
Host:	Goat
Immunogen:	Human lambda light chain
Format:	State: Lyophilized F(ab)2 Fragment Purification: Prepared from monospecific antiserum by immunoaffinity chromatography using Human antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation. Buffer System: 10 mg/ml Bovine Serum Albumin (BSA) IgG and Protease free as stabilizer; 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 as buffer; 0.01% (w/v) Sodium Azide as preservative Label: Texas Red – Texas Red TM Sulfonyl Chloride (Molecular Weight 625 daltons) <i>Absorption / Emission:</i> 596 nm / 620 nm <i>Molar Ratio:</i> 1.6 moles Texas Red TM per mole of Goat IgG F(ab') ₂ Reconstitution: Restore with 1.0 ml of deionized water (or equivalent). Dilute only prior to immediate use.
Applications:	Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring extremely low background levels, absence of F(c) mediated binding, lot-to-lot consistency, high titer and specificity. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Human Lambda Light chain. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum. No reaction was observed against anti-Pepsin or anti-Goat IgG F(c). Specificity was confirmed by ELISA at less than 1% cross reactivity against other human heavy or light chain isotypes.
Storage:	Store vial at 2-8 °C prior to restoration. For extended storage following reconstitution add glycerol to 50% and then aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for four weeks at 2-8 °C as an undiluted liquid. Shelf life: One year from despatch.
General Readings:	(Conjugation) J. Titus, P. Haugland, S. Sharrow, D. Segal J. Immunol. Methods 50; 193, 1982.