

## F(ab')<sub>2</sub> Fragment of Goat anti- Human $\kappa$ (kappa chain specific) -FITC-

<b>Catalog No.:</b>	R1401F
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	1.0 mg/ml (by UV absorbance at 280 nm)
<b>Host:</b>	Goat
<b>Immunogen:</b>	Human $\kappa$ (kappa) light chain
<b>Format:</b>	<p><b>State:</b> Lyophilised F(ab')<sub>2</sub> fragments</p> <p><b>Purification:</b> This product was prepared from monospecific antiserum by immunoaffinity chromatography using antigens coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities, pepsin digestion and chromatographic separation.</p> <p><b>Buffer System:</b> 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 with 10 mg/ml Bovine Serum Albumin (BSA, IgG and Protease free) as stabilizer and 0.01% (w/v) Sodium Azide as preservative.</p> <p><b>Label:</b> FITC – Fluorescein isothiocyanate (Molecular Weight 390 daltons) <i>Absorption / Emission:</i> 495 nm / 528 nm <i>Molar Ratio:</i> 5.9 moles FITC per mole of Goat IgG F(ab')<sub>2</sub>.</p> <p><b>Reconstitution:</b> Restore with 1.0 ml of deionized water (or equivalent).</p>
<b>Applications:</b>	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.
<b>Specificity:</b>	<p>Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Human IgG and Human Serum.</p> <p>No reaction was observed against anti-Pepsin or anti-Goat IgG F(c).</p> <p>Specificity was confirmed by ELISA at less than 1% cross reactivity against other human heavy or light chain isotypes.</p> <p><b>Species:</b> Human. Other species not tested.</p>
<b>Storage:</b>	<p>Store vial at 2-8°C prior to restoration. For extended storage add glycerol to 50% and then aliquot contents and freeze at -20°C or below. Centrifuge product if not completely clear after standing at room temperature.</p> <p>This antibody is stable for one month at 2-8°C as an undiluted liquid.</p> <p>Dilute only prior to immediate use.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: One year from despatch.</p>

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**General References:** 1. The and Feltkamp, Immunology 18; 865, 1970

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