

## Polyclonal Antibody to Rat IgG [H&L] - Cy5

<b>Alternate names:</b>	Rat Immunoglobulin G
<b>Catalog No.:</b>	R1439C5
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	1.1 mg/ml (by UV absorbance at 280 nm)
<b>Host:</b>	Goat
<b>Immunogen:</b>	Rat IgG, whole molecule.
<b>Format:</b>	<b>State:</b> Lyophilized purified IgG fraction. <b>Purification:</b> Immunoaffinity Chromatography. <b>Buffer System:</b> 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, containing 0.01% (w/v) Sodium Azide as preservative and 10 mg/ml BSA (IgG and Protease free) as stabilizer. <b>Label:</b> Cy5 – (Molecular weight 975 daltons) Color: Far-Red <i>Absorption / Emission:</i> 650 nm / 667 nm <i>Molar Ratio:</i> 17.9 moles Cy5 per mole of Goat IgG <b>Reconstitution:</b> Restore with 1.0 ml of deionized water or equivalent.
<b>Applications:</b>	Suitable for Immunomicroscopy (1/100-1/1,000) and Flow cytometry (1/200-1/400) or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency. Minimum ELISA Endpoint Dilution: 1/10,000. Actual: 1/110,000. Disposition: PASS. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities and extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Rat IgG and Rat Serum. Only minimum cross reactivity was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Mouse, Rabbit, Sheep and Human Serum Proteins. <b>Actual Cross Reactivities:</b> Bovine 0.4%, Chicken 0.01%, Goat 0.4%, Guinea Pig 0.01%, Hamster 0.01%, Horse 0.4%, Mouse 0.01%, Rabbit 0.8%, Sheep 0.4%, Human 0.01%

**Storage:**

Store vial at 2-8° C prior to restoration. Restore with 1.0 ml of deionized water (or equivalent); centrifuge product if not completely clear after standing at room temperature. This product is stable for one month at 2-8°C as an undiluted liquid. For extended storage aliquot contents and freeze at -20°C or below.

Avoid cycles of freezing and thawing.

Dilute only prior to immediate use.

Shelf life: one year from despatch.