

Certificate of Analysis

Product: Cy2 Conjugated Affinity Purified anti-Biotin [H&L] [Goat]

Code: 600-111-098

Lot # 4467

Size: 1.0 mg

Physical State: Lyophilized

Antibody Concentration: 1.0 mg/ml (by UV absorbance at 280 nm)

Label: Cy2 (Cyanine 2-OSu) (Molecular Weight 897 daltons)

Absorption Wavelength: 489 nm

Emission Wavelength: 505 nm

Fluorochrome/Protein Ratio: 2.1 moles Cy2 per mole of Goat IgG (1-4 acceptable)

Aggregation Index: $(OD_{463}-OD_{473})/OD_{490} \times 100\% = 1.5\%$ (<4% acceptable)

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: 10 mg/ml Bovine Serum Albumin (BSA) IgG and Protease free

Preservative: 0.01% (w/v) Sodium Azide

Application(s): Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.

Recommended Dilution(s):	FLOW CYTOMETRY	1:200 - 1:400
	IF MICROSCOPY	1:100 - 1:1,000
	OTHER APPLICATIONS	User Optimized

Storage Conditions: Store vial at 4° C prior to restoration. Restore with 1.0 ml of deionized water (or equivalent). For extended storage mix product with 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 several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is three (3) months from date of restoration.

Purity: This product was prepared from monospecific antiserum by immunoaffinity chromatography using Biotin coupled to sepharose 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, Biotinylated IgG and Biotinylated Bovine Serum Albumin.

Immunogen: Biotin conjugated to Keyhole Limpet Hemocyanin (KLH)

USDA Certification: All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation.

Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.