

Product Specification Sheet

Product: Fluorescein Conjugated IgG fraction of anti-Biotin [Goat]

Code: 200-1298

Lot # 1596

Size: 20 mg

Physical State: Lyophilized

Antibody Concentration: 10.0 mg/ml (by UV absorbance at 280 nm)

Label: Diaminotriazynlaminofluorescein (DTAF) (Molecular Weight 530 daltons)

Absorption Wavelength: 495 nm

Emission Wavelength: 528 nm

Fluorochrome/Protein Ratio: 1.7 moles DTAF per mole of Goat IgG

Buffer: 0.01 M Sodium Phosphate, 0.14 M Sodium Chloride, pH 7.4

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.

Recommended Dilution(s): Not specified. Optimal titers for applications should be determined by the researcher.

Storage Conditions: Store vial at 4° C prior to restoration. Restore with 2.0 ml of deionized water (or equivalent). For extended storage reconstitute product with 50% glycerol instead of water 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 one (1) year from date of restoration.

Purity: This product is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Biotin IgG and Biotin BSA.

Immunogen: Biotin conjugated Keyhole Limpet Hemocyanin (KLH)

Conjugation Reference: Blakeslee & Baines, *J. Immunol. Methods* **13**; 305-320, 1976.

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.