ROCKLAND
Immunochemicals for Research

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**Product Specification Sheet**

**Product:** AMCA Conjugated Streptavidin

**Code:** S000-15 **Lot #** 15895

**Size:** 1.0 mg **Physical State:** Lyophilized

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

**Label:** Amino Methyl Coumarin ($C_{16}H_{14}N_2O_9S$)

**Absorption Wavelength**: 353 nm **Emission Wavelength**: 440 nm

**Fluorochrome/Protein Ratio:** 11.7 moles AMCA per mole of Streptavidin

**$A_{353}/A_{280}$ Ratio:** 1.0

**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.

**Recommended Dilution(s):**

| | |
|---|---|
| **FLOW CYTOMETRY** | 1:2,000 - 1:10,000 |
| **IF MICROSCOPY** | 1:1,000 - 1:5,000 |
| **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 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 was prepared from pure Streptavidin as determined by electrophoresis conjugated to the fluorochrome AMCA. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Streptavidin. No reaction was observed against anti-Avidin.

**Immunogen:** Not applicable

**Conjugation Reference:** J.A. Titus, P.P. Haugland, S.D. Sharrow, D.M. Segal *J. Immunol. Methods* **50**; 193, (1982).

**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.