

## Product Specification Sheet

**Product:** AMCA Conjugated Streptavidin

**Code:** S000-15

**Lot #** 3424

**Size:** 1.0 mg

**Physical State:** Lyophilized

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

**Label:** Amino Methyl Coumarin (C<sub>16</sub>H<sub>14</sub>N<sub>2</sub>O<sub>9</sub>S)

**Absorption Wavelength:** 353 nm

**Emission Wavelength:** 440 nm

**Fluorochrome/Protein Ratio:** 8.2 moles AMCA per mole of Streptavidin

**A<sub>353</sub>/A<sub>280</sub> Ratio:** 0.68

**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):** Not specified. Optimal titers for applications should be determined by the researcher.

**Storage Conditions:** Store vial at 4° C prior to restoration. Restore with 1.0 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 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.