

Certificate of Analysis

KPL Cy™5 - Labeled Streptavidin

PART Code 5270-0023 (072-02-30-00)
Lot No. 10473802
SIZE 1.0 mg

DESCRIPTION Streptavidin is a 60,000 dalton protein isolated from the bacterium *Streptomyces avidinii*. Streptavidin was labeled with Cy™5. This conjugate is recommended for use in immunofluorescence assays including flow cytometry, immunohistology, Western blotting, microarrays, and FLISA.

FORM/STORAGE Lyophilized. Store refrigerated at 2 – 8°C until rehydrated.

CONTENT Each vial contains 1.0 mg of conjugate.

F/P RATIO Molar fluorophore/antibody protein ratio = 1.7:1

SPECIFICITY Tested by ELISA techniques as applicable. This product has been shown to bind four molecules of biotin with high affinity ($K_a = 10^{15} \text{ M}^{-1}$).

STABILIZERS AND PRESERVATIVES Bovine serum albumin (BSA) added as protein stabilizer. 0.02% sodium azide is added as a preservative. Non-sterile.

STABILITY Product is stable for one year from date of receipt when stored properly.

COUNTRY OF ORIGIN OF ANTISERA United States

DATE OF MANUFACTURE 17 JUN 2020

Approval:

A handwritten signature in black ink, appearing to read "Kimberly Arnold".

Quality Assurance

14 JUL 2020

Date