

Certificate of Analysis

For Research Use Only
Not for Human or Animal Consumption

KPL Alkaline Phosphatase Labeled Streptavidin

PART CODE: 5950-0005 (475-3000)
LOT NUMBER: 10776316
SIZE: 1.0 mL

DESCRIPTION: Streptavidin is a 60,000 dalton protein isolated from the bacterium *Streptomyces avidinii* and binds four molecules of biotin with high affinity ($K_p = 10^{-15} \text{ M}^{-1}$). Electrophoretically pure streptavidin is linked to alkaline phosphatase using a modified proprietary method adapted from Voller, et. al.

FORM/STORAGE: Liquid. Store refrigerated at 2-8°C.

CONTENT: Each vial contains 1.0 mL of alkaline phosphatase labeled streptavidin Lot No. 10776316.

E/P RATIO: Molar enzyme/streptavidin protein ratio = 1.34:1

STABILIZERS AND PRESERVATIVES: The conjugate is provided in a liquid buffer containing a proprietary stabilizer and an anti-bacterial agent. Non-sterile.

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

COUNTRY OF ORIGIN: United States

DATE OF MANUFACTURE: 04 SEP 2025

Approval:

A handwritten signature in blue ink, appearing to read "M. Neal".

QA Verified By

A handwritten date in blue ink, "25 SEP 2025".

Date