

Certificate of Analysis

For Research Use Only
Not for Human or Animal Consumption

KPL Peroxidase Labeled Streptavidin

CATALOG NO. 5950-0004 (474-3000)
LOT NO. 10769365
SIZE 1.0 mL

DESCRIPTION KPL Streptavidin is a 60,000 dalton protein isolated from the bacterium *Streptomyces avidinii*. Streptavidin is covalently linked with peroxidase by a modification of the periodate method of Nakane and Kawaoi.

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

CONTENT Each vial contains 1.0 mL of peroxidase labeled streptavidin Lot No. 10769365.

E/P RATIO Molar enzyme/protein ratio = 2.5:1

SPECIFICITY Testing performed to assure the purity and specificity. This product has been shown to bind four molecules of biotin with high affinity ($K_p = 10^{-15}$ M).

STABILIZERS AND PRESERVATIVES Stabilization diluent added as protein stabilizer. No preservatives added. Non-sterile.

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

DATE OF MANUFACTURE 14 JUL 2025

Approval:

A handwritten signature in blue ink, appearing to read "Shuunel", written over a horizontal line.

QA Verified By

A handwritten date "31 JUL 2025" in blue ink, written over a horizontal line.

Date