

# Certificate of Analysis

## KPL Peroxidase-Labeled Streptavidin for Immunohistochemistry

**PART Code** 5550-0001 (71-00-38)  
**Lot No.** **10609305**  
**SIZE** 50 mL

**DESCRIPTION** Streptavidin is a 60,000 dalton protein isolated from the bacterium *Streptomyces avidinii* and binds four molecules of biotin with high affinity ( $K_d = 10^{-15} M^{-1}$ ). 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 50 mL of KPL Peroxidase-Labeled Streptavidin. Provided as a liquid at use dilution of approximately 2 µg/mL prepared from KPL Peroxidase-Labeled Streptavidin, Lot No. **10609305**.

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

**STABILIZERS AND PRESERVATIVES** Bovine serum albumin (BSA) added as a protein stabilizer. A proprietary biological preservative is added. DO NOT USE SODIUM AZIDE. Non sterile.

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

**DATE OF MANUFACTURE** 11 FEB 2022

Approval:

A handwritten signature in black ink, appearing to read "M. Waki".

Quality Assurance

09 MAR 2022

Date