

# Certificate of Analysis

For Research Use Only  
Not for Human or Animal Consumption

## KPL HisDetector™ Western Blot Kit, AP Colorimetric

**PART CODE:** 5810-0025 (25-00-01)  
**LOT NUMBER:** 10667839  
**SIZE** 40 Blots

**DESCRIPTION:** Product is for the detection and visualization of recombinant proteins containing polyhistidine sequences immobilized on membranes via electrophoresis or dot blotting. Detection is carried out through an alkaline phosphatase (AP) labeled nickel conjugate which binds with high affinity to polyhistidine sequences. Visualization is facilitated through the reaction of AP with 5-bromo-4-chloro-3-indoxyl-phosphate (BCIP) and nitroblue tetrazolium (NBT) substrate resulting in a dark purple precipitate.

**FORM/STORAGE:** Kit contains reagents in liquid form. Store at 2-8°C.

**CONTENT**

1 x 1 mL, KPL HisDetector™ Nickel-AP, Catalog No. 5820-0004 (25-01-02)  
Lot No. 10230975, Date of Manufacture: 03 NOV 2016

2 x 120 mL, KPL 5X Detector™ Block Solution, Catalog No. 5440-0003 (71-83-01)  
Lot No. 10621360, Date of Manufacture: 16 MAY 2022

2 x 100 mL, KPL 20X TBST, Catalog No. 5810-0026 (50-63-16)  
Lot No. 10659107, Date of Manufacture: 07 MAR 2023

4 x 100 mL, KPL BCIP/NBT 1-Component Membrane Substrate,  
Catalog No. 5420-0034(50-81-08)  
Lot No. 10641828, Date of Manufacture: 18 NOV 2022

**STABILITY** Kit is stable for one year from date of receipt when stored at 2-8°C. A fine blue-black precipitate may be observed in the KPL BCIP/NBT 1-component substrate. The presence of this precipitate does not affect performance.

**Approval:**



QA Verified By

09 MAY 2023

Date