Ponceau S Staining Kit, 1x

Catalog No.: RA20108

Basic Information

Product name	Ponceau S Staining Kit, 1x
Sizes	100 mL, 500 mL
Storage	RT
Shipping	RT
Validity	12 months

Product Introduction

Ponceau S staining solution can be used for protein detection on PVDF membranes, nitrocellulose membranes (NC), and cellulose acetate membranes. It is not suitable for nylon membranes. Transferred proteins (>200 ng/band) appear as red bands on a pink background. Ponceau S staining is simple, rapid, and reversible, which is especially advantageous when the blot needs to be reused for a second detection method (e.g., immunoblotting). Ponceau S is a water-soluble anionic diazo dye, with the molecular formula $C_{22}H_{12}N_4Na_4O_{13}S_4$ and molecular weight of 760.6. It carries a negative charge and can bind to positively charged amino acid residues. It can also interact with non-polar regions of proteins, forming red bands.

EnkiLife Ponceau S Staining Solution (1×) offers the following advantages: 1. Reversible staining: After staining, the membrane can be rinsed with distilled water, PBS, or other suitable solutions until the background is clear, then photographed and used for downstream applications such as ECL or Dot-ELISA. 2. Easy to use, low background, high sensitivity, long-term stability, clear and sensitive staining, capable of detecting proteins above 250 ng.

Perimental procedure

1. Immerse the PVDF, nitrocellulose, or cellulose acetate membrane in Ponceau S Staining Solution. Shake at room temperature for 3–5 min or longer until clear bands appear.
2. Record or photograph the results as needed.
3. Rinse the membrane 2–3 times with distilled water, PBS, or other suitable solutions, 3–5 min each, to remove Ponceau S.
4. Proceed with subsequent Western blot detection.

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Notes

1. Ponceau S Staining Solution is not suitable for protein detection on nylon membranes.
2. For your safety and health, wear a lab coat and disposable gloves during operation.
3. Use the reagent promptly after opening to avoid affecting subsequent experimental results.

This product is for research use only!