AdvanStain™ Iris

High sensitivity stain for nitrocellulose and PVDF membranes

Ponceau staining can be a headache – background signal often overlaps with your bands of interest, and when you try to reduce non-specific signal, your bands fade away. Achieving the right balance feels like a guessing game, especially with low protein concentrations. Enter **AdvanStain™ Iris™** – your solution for frustration-free staining. With AdvanStain Iris, just stain, rinse, and visualize. No need for destaining or worrying about signal loss, saving you valuable time and effort. Its deep blue color provides exceptional contrast, ensuring crystal-clear protein band detection every time.

Advantages

- **DETECTION LIMIT** – 2 ng vs Ponceau at 150 ng
- **QUANTITATIVE** – effective for lower protein concentrations
- **NO DESTAINING** – allows direct chemiluminescent or fluorescent Western blotting without the need for destaining
- **VERSATILE** – compatible with both nitrocellulose and PVDF membranes

Outperforms Ponceau

AdvanStain Iris enables rapid, high-contrast protein visualization, overcoming Ponceau's fading and background limitations.

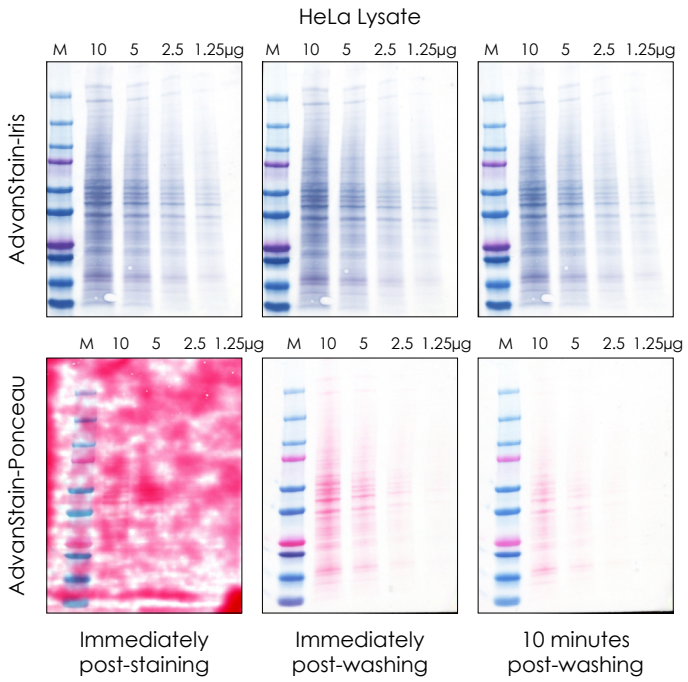

Figure 1. AdvanStain Iris and Ponceau were applied to nitrocellulose blots containing serial dilutions of HeLa cell lysate. Following staining, initial images were captured. The AdvanStain Iris blot required only quick rinses with water, while the Ponceau blot needed extensive washing to reduce background staining. After rinsing, another set of images was acquired. Finally, blots were incubated in water for 10 minutes before capturing the final images, highlighting the efficiency, sensitivity, and clarity of AdvanStain Iris.

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Flexible imaging, no destaining required

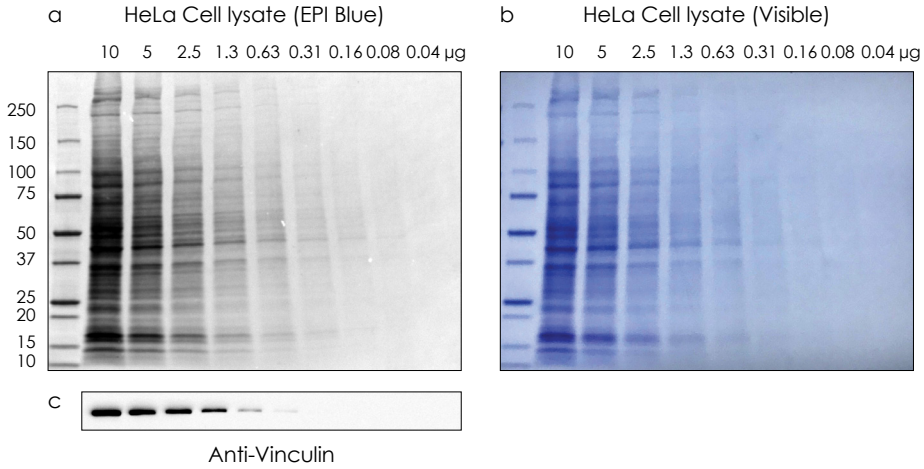

Figure 2. AdvanStain Iris demonstrates high sensitivity staining of HeLa lysate, no destaining is required prior to analysis by Western blot. AdvanStain Iris stain was applied to a nitrocellulose membrane for 10 minutes followed by a full Western blotting detection. (a) EPI Blue image (b) Visible image. (c) Western blotting detection of Vinculin: after staining, the membrane was blocked then probed with mouse anti-Vinculin (Boster #MA1103) followed by Goat anti-Mouse HRP (Advansta #R-05071-500). The Western blot was developed with WesternBright™ ECL Substrate (Advansta #K-12045). Protein bands were observed by Iris staining in the lane as low as 80ng load of total protein. Staining by Iris did not cause any interference with Western blotting detected by chemiluminescence.

Re-use up to 3X

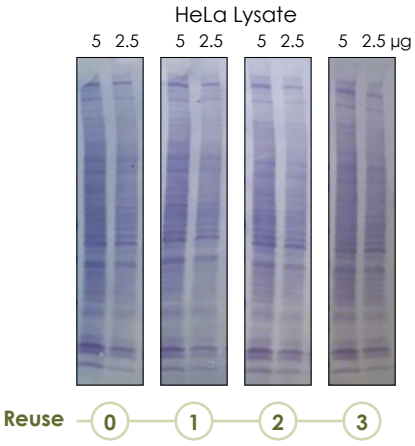

Figure 3. AdvanStain Iris may be re-used three times. Dilutions of HeLa Lysate were electrophoresed using SDS-PAGE and the protein was transferred to a nitrocellulose membrane then stained with AdvanStain Iris for 10 minutes. The staining solution was re-used three times to generate comparable data. Images were acquired with visible light.

Ordering Information

Catalog Number	Product	Size
R-03732-D25	AdvanStain™ Iris	250mL

Related Products

L-08001-010	Pre-cut WesternBright® PVDF-FL, 7x9 cm	10 sheets
L-08012-010	Pre-cut WesternBright® PVDF-FL, 10x15 cm	10 sheets
L-08014-010	Pre-cut WesternBright® PVDF-FL, 13x18 cm	10 sheets
L-08002-010	Pre-cut WesternBright® NC 0.45 µm, 8x10 cm	10 sheets
L-08118-025	Pre-cut WesternBright® NC 0.45 µm, 6x8.5 cm	25 sheets
L-08003-010	Pre-cut WesternBright® NC 0.22 µm, 8x10 cm	10 sheets
L-08117-025	Pre-cut WesternBright® NC 0.22 µm, 6x8.5 cm	25 sheets

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