

# Fluorescent Western Standardization Blot

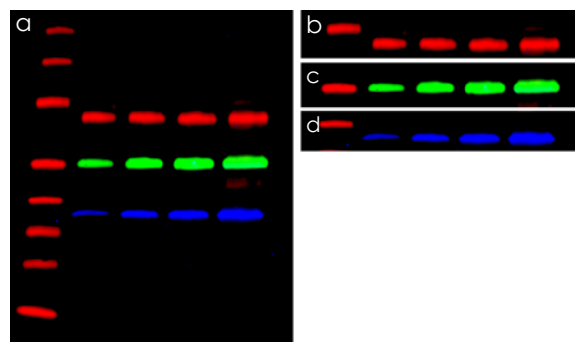
## Ready-to-image three-color blot

This pre-processed blot was developed to demonstrate the performance of fluorescence imaging systems, including laser scanners and CCD-based instruments. Proteins are detected with antibodies that fluoresce in the red, green, and blue fluorescent channels.

### Advantages

- **CONVENIENT** – the easiest way to evaluate the performance of your fluorescence imaging system
- **RELIABLE** – quality-controlled, with lot-specific statistics provided for every blot
- **WELL-DESIGNED** – both fluorescently labeled primary and secondary antibodies are used, to demonstrate different experimental designs and the utility of loading controls

When acquired with an imager equipped with LEDs or lasers to excite Cy2, Cy3, and Cy5 or equivalent dyes, the membrane produces a composite image similar to Figure 1. When placed on the surface with the long side vertical and the cut notch in the right upper corner, the working surface containing fluorescent samples is facing towards the user.



**Figure 1. Simultaneous detection of three fluorescently labeled antibodies on one blot.** The standardization blot is ready to use, bound with antibodies that can be detected in three fluorescent channels. The standardization blot contains HeLa cell lysate (1, 2, 3 and 5  $\mu$ g) spiked with 200 ng of human transferrin per lane. Transferrin is detected in the red channel (b), tubulin is detected in the green channel (c) and GAPDH is detected in the blue channel (d). The three channels are superimposed in (a). The first lane contains molecular weight markers that may be detected in the red channel.

### Ordering Information

Catalog Number	Product	Size
K-08001-001	Fluorescent Western Standardization Blot	1 each

### Related Products

K-12021-010	WesternBright™ MCF fluorescent Western blotting kit (Contains: secondary antibodies, washing solution, blocking solution, pre-cut PVDF membranes and background quenching sheets)	10 blots
L-07001-010	Background Quenching Sheets	10 sheets

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