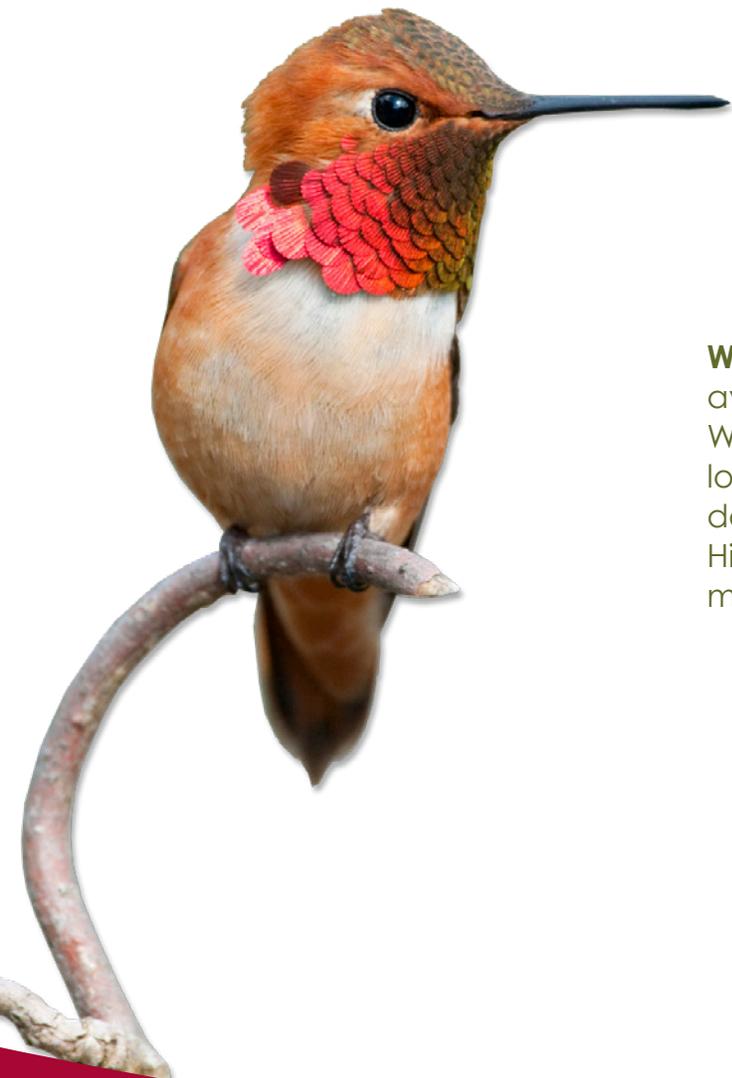


WesternBright[®] Sirius[®]

Most sensitive substrate for chemiluminescent Western blotting



WesternBright Sirius is the most sensitive HRP substrate available from Advansta for chemiluminescent Western blotting. With attomole sensitivity and a long-lasting signal, WesternBright Sirius allows you to detect bands not visualized with other substrates. High signal-to-noise and a large dynamic range make it ideal for quantifying low-intensity bands.

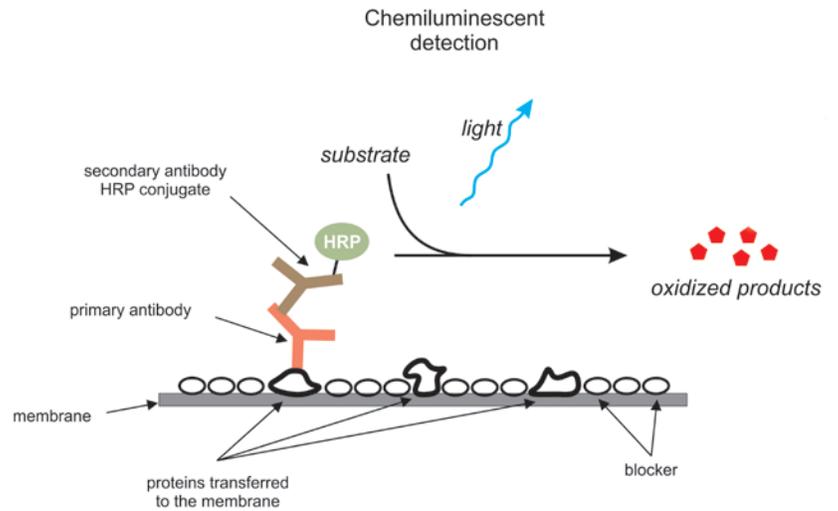
WesternBright[®] Sirius[®]

Most sensitive substrate for chemiluminescent Western blotting

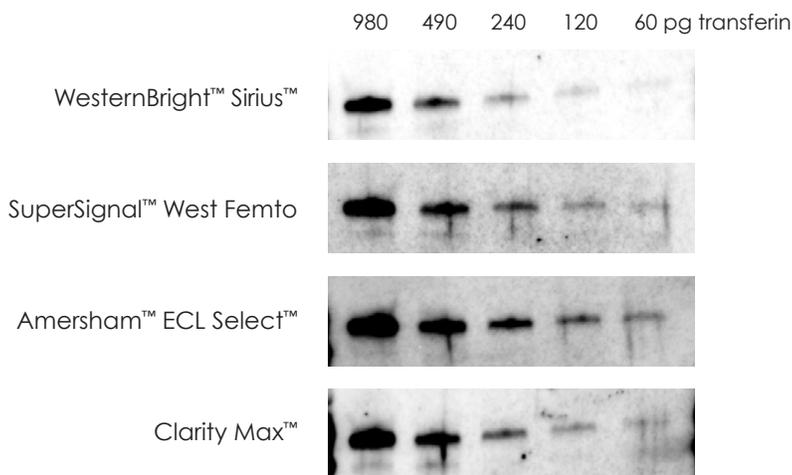
WesternBright Sirius allows you to detect low-abundance proteins, with a strong, long-lasting and quantitative signal.

Chemiluminescent detection

WesternBright Sirius is the most sensitive chemiluminescent HRP substrate offered by **Advansta**, specially engineered to produce an extremely strong signal to detect low-abundance proteins and to work with very low antibody concentrations.



High sensitivity, low background



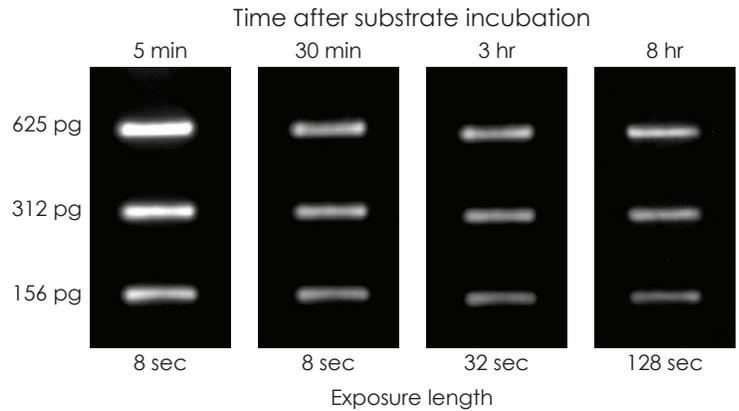
Sensitivity of chemiluminescent substrates from various suppliers. 2-fold serial dilutions of purified transferrin were electrophoresed by SDS-PAGE then transferred to a PVDF membrane. The blots were blocked then probed with a rabbit anti-transferrin primary antibody followed by an HRP-conjugated anti-rabbit secondary antibody. Various substrates were applied to the membranes then signal was measured with a CCD camera.

WesternBright[®] Sirius[®]

Most sensitive substrate for chemiluminescent Western blotting

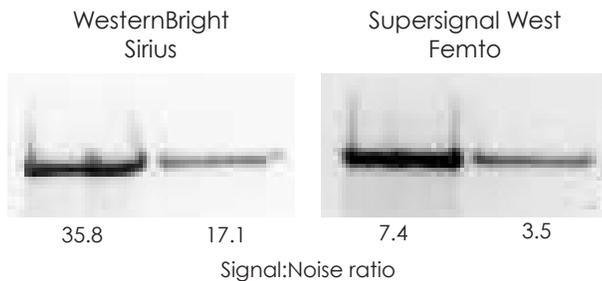
Image blots hours after substrate incubation

A slot blot containing a serial dilution of an HRP-conjugated antibody was incubated with WesternBright Sirius, and imaged at the times indicated. After 8 hours, the bands are still easily detected with only a 2 minute exposure.



Low background for better band quantification

WesternBright Sirius provides sensitive detection combined with extremely low background. Duplicate Western blots were conducted to analyze samples of plasma, diluted either 1:100 (left lanes) or 1:600 (right lanes) in PBS. The blots were probed with a goat antisera primary antibody, and an HRP-conjugated secondary antibody. After detection with either WesternBright Sirius or SuperSignal[®] West Femto (Thermo Scientific), the blots were imaged for 8.3 minutes. The signal-to-noise ratio is shown for each band.



WesternBright® Sirius®

Most sensitive substrate for chemiluminescent Western blotting

WesternBright Sirius is designed for sensitive detection and low antibody concentrations. With low background and a strong, long-lasting chemiluminescent signal, WesternBright Sirius is the best choice for quantifying low-abundance bands.

Features

- Detect low-abundance proteins
- Low background for high signal-to-noise ratio
- Long-lasting signal for flexible imaging
- Image chemiluminescence by CCD or film



Ordering Information

| Catalog Number | Product | | Size |
|----------------|----------------------------------------------------------------------|-----------------------------------|--------|
| K-12043-C20 | WesternBright® Sirius® Western Blotting HRP Substrate Trial kit size | For 200 cm ² membrane | 20 ml |
| K-12043-D10 | WesternBright® Sirius® Western Blotting HRP Substrate | For 1000 cm ² membrane | 100 ml |
| K-12043-C20 | WesternBright® Sirius® Western Blotting HRP Substrate | For 2000 cm ² membrane | 200 ml |

Related Products

| | | | |
|-------------|----------------------------------------------------|---------------|------------|
| L-07001-010 | Background Quenching Sheets | | 10 sheets |
| L-07013-100 | LucentBlue™ X-ray film | 5 x 7" sheets | 100 sheets |
| L-08001-010 | Low-Fluorescence PVDF Transfer Membrane | 7 x 9 cm | 10 sheets |
| L-08003-010 | Nitrocellulose Transfer Membrane 0.22 µm | 8 x 10 cm | 10 sheets |
| R-05071-500 | Goat-anti-mouse HRP-conjugated secondary antibody | | 500 µl |
| R-05072-500 | Goat-anti-rabbit HRP-conjugated secondary antibody | | 500 µl |

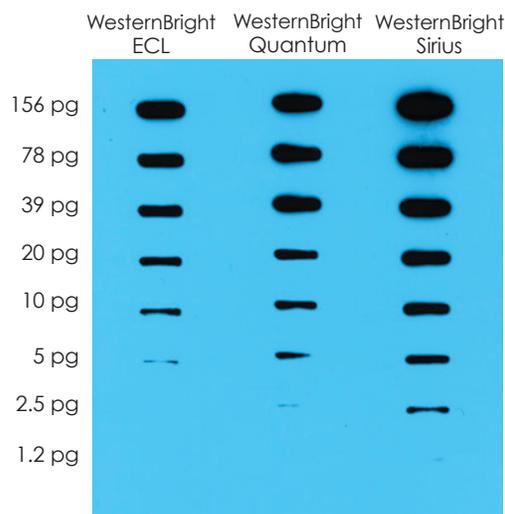
Advansta Corporation

2140 Bering Drive | San Jose, CA 95131

Tel: 650.325.1980 | Fax: 650.325.1904 | Email: sales@advansta.com

Product information: www.advansta.com/WesternBright_Sirius

The highest sensitivity



Slot blots containing serial dilutions of an HRP-conjugated antibody were incubated with WesternBright ECL, WesternBright Quantum® or WesternBright Sirius and detected with a 2-minute exposure to film.

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