

SignalBright Plus Chemiluminescent Substrate

Catalog Number: PK10012

Description

SignalBright Plus is a luminol-based, chemiluminescent substrate for HRP (horseradish peroxidase) which provides a much higher sensitivity over traditional ECL reagents. SignalBright Plus provides mid to high- femtogram detection levels in Western Blot and ELISA analysis, with long lasting signal up to 24 hours. Signal intensity is up to **2X that of SignalBright Pro**.

Key Characteristics:

- Sensitivity: Mid to high femtogram
- Signal duration: Up to 24 hours
- Compatibility: suitable for PVDF and nitrocellulose membranes
- X2 Signal intensity versus **SignalBright Pro**
- Minimal optimization required

Instructions for Use

SignalBright Plus Detection Kit is prepared by combining a 1:1 ratio of **Chemiluminescent Substrate Solution** and **Stable Peroxide Solution** to create a working solution. Allow the working solution to come to room temperature before applying to the membrane, make sure this is done in darkness. Apply a minimum of 0.1ml of the working solution per membrane cm². Leave 5 minutes for signal to develop prior to imaging.

· Recommended primary antibody concentration: **0.02-0.5 ug/ml**

· Recommended HRP-conjugated secondary antibody concentration: **2-20 ng/ml**

Package

6mL/20mL/100mL/200mL

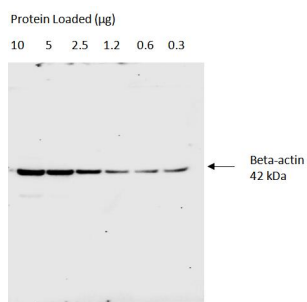
Product Information

Cat.	Size	Content
PK10012	6mL	3mL Chemiluminescent Substrate Solution 3mL Stable Peroxide Solution
	20mL	10mL Chemiluminescent Substrate Solution 10mL Stable Peroxide Solution
	100mL	50mL Chemiluminescent Substrate Solution 50mL Stable Peroxide Solution
	200mL	100mL Chemiluminescent Substrate Solution 100mL Stable Peroxide Solution

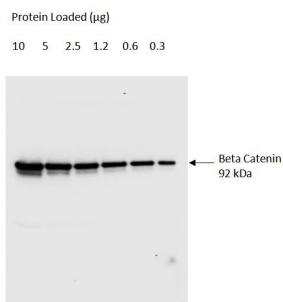
Protocol

[SignalBright Plus Chemiluminescent Substrate Protocol](#)

Validation Data



Serial dilutions of HeLa cell lysate
Primary: Proteintech, beta-actin 66009-1-Ig; 1:50,000
Secondary: Quanta BioDesign HRP-Goat anti-Mouse IgG (H&L) (11-0101-0303) 1:60,000
Exposure Time: 30 seconds
SignalBright Plus Chemiluminescent substrate



Serial dilutions of HeLa cell lysate
Primary: Proteintech Beta Catenin (51067-2-AP), 1:10,000
Secondary: Quanta BioDesign HRP-Goat anti-Rabbit IgG (H&L) (11-0201-0503); 1:50,000
Exposure Time: 40 seconds
SignalBright Plus Chemiluminescent substrate

For technical support and original validation data for this product please contact

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