

# 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 verses **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 cm<sup>2</sup>. 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

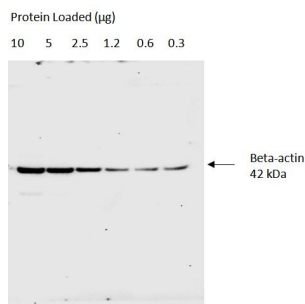
## Product Information

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

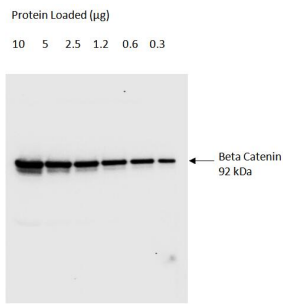
## Protocol

[SignalBright Plus Chemiluminescent Substrate Protocol](#)

# Validation Data



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



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

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

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