

# SignalBright Pro Chemiluminescent Substrate

Catalog Number: PK10011

## Description

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

Key Characteristics:

- Sensitivity: Mid to high femtogram
- Signal duration: >12 hours
- Compatibility: suitable for PVDF and nitrocellulose membranes
- Comparable sensitivity to SuperSignal™ West Dura.

## Instructions for Use

SignalBright Pro Chemiluminescent Detection is prepared by combining a 1:1 ratio of the **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: **0.02-1 ug/ml**
- Recommended HRP-conjugated secondary antibody concentration: **4-20 ng/ml**

## Package

20mL/100mL

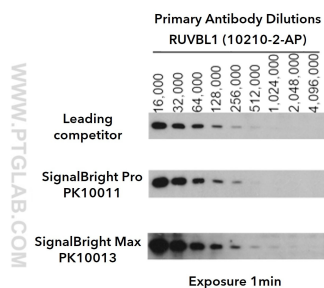
## Product Information

Cat.	Size	Content
PK10011	20mL	10mL Chemiluminescent Substrate Solution
		10mL Stable Peroxide Solution
	100mL	50mL Chemiluminescent Substrate Solution
		50mL Stable Peroxide Solution

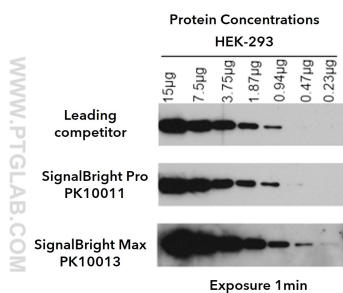
## Protocol

[SignalBright Pro Chemiluminescent Substrate Protocol](#)

## Validation Data



Serial dilutions of RUVBL primary antibody (10210-2-AP)   
Primary: Proteintech RUVBL1 (10210-2-AP) at various dilutions (see image)   
Secondary: Proteintech HRP-conjugated Affinipure Goat Anti-Rabbit IgG (SA00001-2); 1:6,000   
Exposure time: 1 min   
Chemiluminescent substrates from leading competitor, SignalBright Pro (PK10011),... SignalBright Max (PK10013)



Serial dilutions of HEK-293 cell lysates   
Primary: Proteintech RUVBL1 (10210-2-AP); 1:8,000   
Secondary: Proteintech HRP-conjugated Affinipure Goat Anti-Rabbit IgG (SA00001-2); 1:6,000   
Exposure time: 1 min   
Chemiluminescent substrates from leading competitor, SignalBright Pro (PK10011),... SignalBright Max (PK10013)

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

T: 1 (888) 4PTGLAB(1-888-478-4522)(toll free in USA), or 1(312) 455-8498(outside USA)

E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.