

# SignalBright Max Chemiluminescent Substrate

Catalog Number: PK10013

## Description

SignalBright Max is a luminol-based, ultra-sensitive chemiluminescent substrate for HRP (horseradish peroxidase) which provides a much higher sensitivity over traditional ECL reagents. SignalBright Max provides increased sensitivity over SignalBright Pro, with mid to low femtogram detection levels in Western Blot and ELISA analysis.

### Key Characteristics:

- Ultra-Sensitivity: Mid to low femtogram
- Signal duration: > 12 hours
- Compatibility: suitable for PVDF and nitrocellulose membranes
- Comparable sensitivity to SuperSignal™ West Femto

## Instructions for Use

SignalBright Max Chemiluminescent 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. Signal can be imaged using an X-ray film or a Chemiluminescent Imager.

- Recommended primary antibody concentration: **10-200 ng/ml**
- Recommended HRP-conjugated secondary antibody concentration: **1-10 ng/ml**

## Package

20mL/100mL

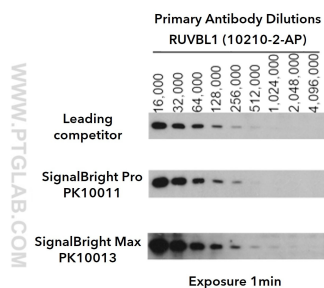
## Product Information

| Cat.    | Size  | Content                                  |
|---------|-------|--|
| PK10013 | 20mL  | 10mL Chemiluminescent Substrate Solution |
|         |       | 10mL Stable Peroxide Solution            |
|         | 100mL | 50mL Chemiluminescent Substrate Solution |
|         |       | 50mL Stable Peroxide Solution            |

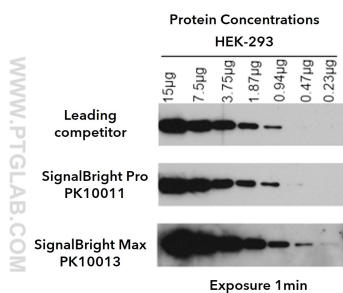
## Protocol

[SignalBright Max 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

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