For Research Use Only

SignalBright Pro Chemiluminescent Substrate

Catalog Number: PK10011

www.ptglab.com

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 cm2. 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

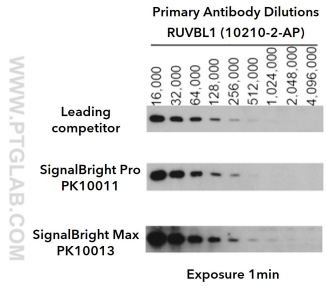
Product Information

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

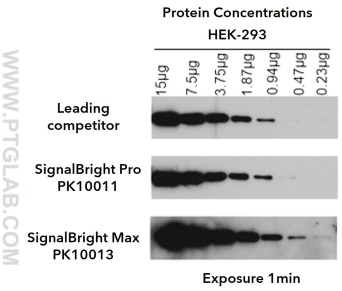
Protocol

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)