



## Immunostain enhancer

# Signal Booster Immunostain

**Signal Booster Immunostain** is developed to enhance specific signals of immunostaining based on the technology for Signal Booster, a signal enhancer for Western Blotting and ELISA.

**Signal Booster Immunostain**, by using as a dilution buffer for primary and secondary antibodies, enhances the antibody-specific signal while reducing background.

The detail can be seen from experimental examples shown the other side.

### Characteristics

1. Enhances specific signal while reducing background.
2. Any antibody can be used\*.
3. Easy to use, simply dilute antibody with Signal Booster Immunostain.
4. Low price.

(\*: With some antibodies, the enhancing activity may be very low.)

### 【Composition】

Signal Booster Immunostain is composed of three solutions.

**Solution F** : A solution designed to reduce background. Recommended for the use to observe fine structures using good antibodies.

**Solution M** : A solution designed to show an intermediate property between F and S. Recommended to use as the first trial.

**Solution S** : A solution designed to get strong signals. Recommended for the use to get strong signals regardless high background.

(The above description is shows a general characteristics of each solution, and the result may be different depending on the antibodies used. )

### 【Product lineup and price】

Product #	Composition	Content
BCL-IS	Solution F、M、S set	10mL each
BCL-ISF	Solution F	20mL
BCL-ISM	Solution M	20mL
BCL-ISS	Solution S	20mL

BCL-IS is ideal as the first trial kit.

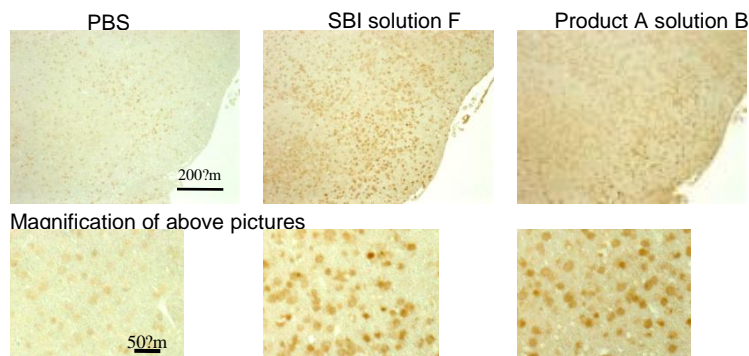
### 【Produced by】

Beacle, Inc.  
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### 【Order】

# Experimental examples of Signal Booster Immunostain

## ○ Staining of Cdk4 (mouse brain paraffin section)



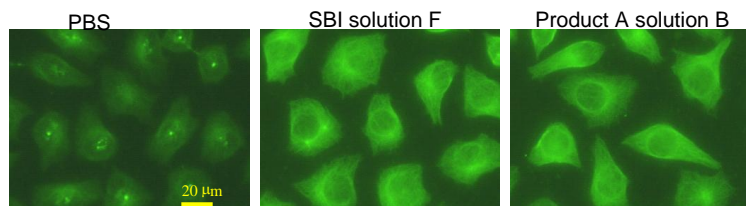
1<sup>st</sup> Ab: anti-Cdk4(rabbit poly) diluted with Signal Booster solution F, PBS or Product A  
 Fixation:4% paraformaldehyde in PBS  
 Blocking:5%FBS in PBS  
 Stained by ABC (for rabbit) method.

## ○ Staining of dimethyl histone (rat frozen section)



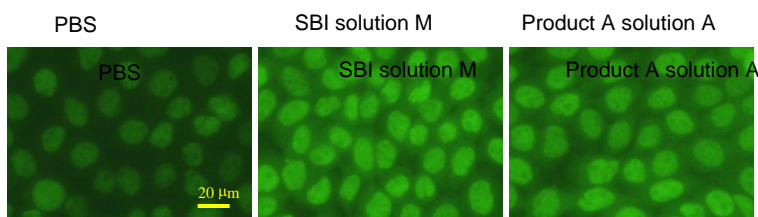
1<sup>st</sup> Ab: anti-demethyl histone (Rabbit IgG mAb) diluted with Signal Booster solution S, PBS or Product A  
 Fixation:4% paraformaldehyde in PBS  
 Blocking:5%FBS in PBS  
 Stained by ABC (for rabbit) method.

## ○ Staining of $\alpha$ -Tubulin in A549 cells



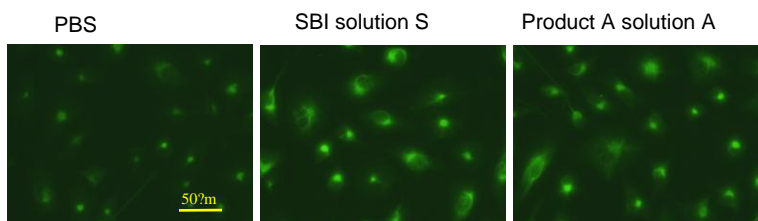
1<sup>st</sup> Ab: anti- $\alpha$  tublin (Rabbit poly diluted with Signal Booster solution F, PBS or Product A  
 2<sup>nd</sup> Ab:anti-rabbit IgG (FITC conjugated) diluted with Signal Booster solution F, PBS or Product A  
 Fixation:4% paraformaldehyde in PBS  
 Detergent: 0.1% TritonX-100 in PBS  
 Blocking:5%FBS in PBS.

## ○ Staining of p53 in A431 cells



1<sup>st</sup> Ab: anti-p53 (Rabbit poly, FITC conjugated) diluted with Signal Booster solution M, PBS or Product A  
 Fixation:4% paraformaldehyde in PBS  
 Detergent: 0.1% TritonX-100 in PBS  
 Blocking:5%FBS in PBS.

## ○ Staining of Vimentin in A549 cells



1<sup>st</sup> Ab: anti-vimentin (Rabbit poly) diluted with Signal Booster solution S, PBS or Product A  
 2<sup>nd</sup> Ab:anti-rabbit IgG (FITC conjugated) diluted with Signal Booster solution S, PBS or Product A  
 Fixation:4% paraformaldehyde in PBS  
 Detergent: 0.1% TritonX-100 in PBS  
 Blocking:5%FBS in PBS.