




# 5 MIN BLOCKING BULLET BLOCKING ONE

- Fast blocking in **5 minutes**
- Ready to use

## ► Comparison Data

Bullet Blocking One, Blocking One (our standard blocking reagent) and 5% skim milk












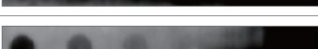

Blocking Reagents	<b>Bullet Blocking One</b>	Blocking One	5% Skim Milk
Blocking Time	<b>5 min.</b>	30 min.	60 min.
Blotting Image			

Sample: 20 µg of HeLa cell extract, 5 serial two-fold dilution series  
 Blotting: Semi-dry Blotting Buffer Solution (Cat. No.: 30650) at 10 V for 30 min  
 Washing: 0.1% t-TBS (Cat. No.: 12750)  
 Blocking: Refer to the figure above  
 1st antibody: Anti-Vimentin (C-20) (Rabbit) (Cat. No.: SC-7557-R) diluted 1:2,000, 1 hr. at RT  
 2nd antibody: Anti-Rabbit IgG-HRP (Cat. No.: SC-2004) diluted 1:100,000, 1 hr. at RT  
 Detection: Chemi-Lumi One (Cat. No.: 11644), 5 min. reaction time  
 Detector: LAS-3000 (High mode), 15 min. exposure time



## ► Comparison Data: Blocking Efficiency in 5 minutes


The original Blocking One, the competitors' ready-to-use blocking reagents and the conventional blocking reagents did not show enough blocking efficiency in 5 min, while Bullet Blocking One performed well.

5 min. Blocking Time	Blocking Reagents	Manufacturers' Recommended Blocking Time	
	<b>Bullet Blocking One</b>		
	Blocking One		30 min.
	Company A blocking reagent		60 min.
	Company B blocking reagent		30 min.
	Company C blocking reagent (protein-free)		60 min.
	5% Skim Milk in 0.05% Tween <sup>®</sup> 20-TBS		60 min.
	3% BSA in 0.05% Tween <sup>®</sup> 20-TBS		60 min.

PVDF membranes dot-blotted with mouse serum were washed with TBS. Blocking was performed using each reagent above. Anti-mouse IgG (Cat. No.: SC-2005) (1:5,000 in 0.01% t-TBS) was applied, and the membranes were washed with 0.05% t-TBS. After reaction with Chemi-Lumi One Super (Cat. No.: 02230), detection was performed using LAS-3000 (High mode) with 90 sec. exposure time.

## ► Use as Antibody Diluent

Diluting antibody with Bullet Blocking One resulted in less non-specific binding compared to using t-TBS as diluent.

Antibody Diluent	Bullet Blocking One (Undiluted)	0.1% t-TBS
Blotting Image		

Sample: 10 µg of HeLa cell extraction, 3 serial two-fold dilution series  
 Blocking: Bullet Blocking One, 5 min.  
 1st antibody: Anti-Cox4 (D-20) (Goat) (Cat. No>: SC-69359) diluted 1:500, 1 hr. at RT  
 2nd antibody: Anti-Goat IgG-HRP (Cat. No.: SC-2350) diluted 1:5,000, 1 hr. at RT  
 Detection: Chemi-Lumi One Super (Cat. No.: 02230), 1 min. reaction time  
 Detector: LAS-3000 (High mode), 10 min. exposure time

## ► Ordering Information

Product Name	PKG size	Cat. No.	Price (US\$)
Bullet Blocking One for Western Blotting	200 ml	13779-14	\$63.00
	1 L	13779-01	\$189.00