Fast-One Blocker

Blocking Solution and Signal Enhancer

Figure out fastest way.

Save your time ! Save your money !

Blocking and primary / secondary antibody treatment are performed at the same time,

Save time

It has signal enhancing function, so it can detect band with high sensitivity using minimum antibody.

Signal enhancing

Affordable product for saving time and reducing research costs

Reducing research costs

- **Ordering information**

Cat. No.	Price (\)	Storage temp.
16174	Inquiry	4℃

CHARACTERISTICS

The following steps can be carried out in one step

- Blocking
- Washing 3 times
- Primary antibody treatment
- Washing 3 times
- Secondary antibody treatment

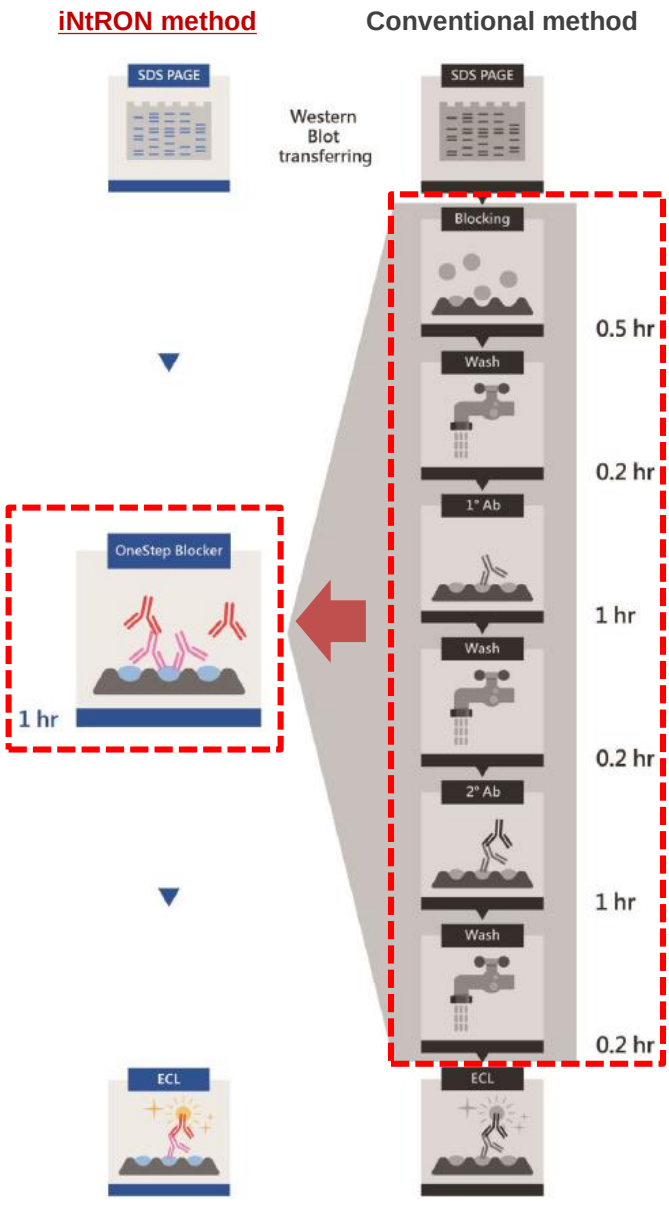
Includes signal enhancing

Detection of clear protein bands is possible even when using less amount of antibody than the existing amount

Convenience and economic advantages

Can be used immediately after receiving product with pre-made buffer.

It is possible to use relatively small amount of antibody and it is suitable for more advanced protein band detection.



✓ Steps are minimized
✓ **6 steps are minimized to only 1 step**

❖ Basic information

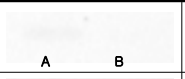
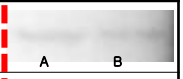
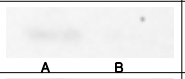
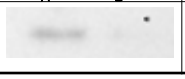
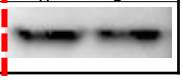
Contents	Volumes
Fast-One Blocker (Blocking Solution and Signal Enhancer)	500 ml
Manual	1 ea

EXPERIMENT DATA

◆ Performance comparison test with general experiment method using Fast-One Blocker

Antibody		Dilution factor	Cell line
Primary antibody	Anti β-actin	1 : 1,000	Human / K562 cell line
Secondary antibody	Goat anti-mouse IgG-HRP	1 : 20,000	

1° Ab (sc-47778, Santa Cruz Biotechnology) : β-actin(C4) / Mouse monoclonal Ab
2° Ab (sc-2005, Santa Cruz Biotechnology) : Goat anti-mouse IgG-HRP

Light exposure (exposure) time	Basic protocol A B	Fast-One Blocker A B
15s		
60s		
150s		

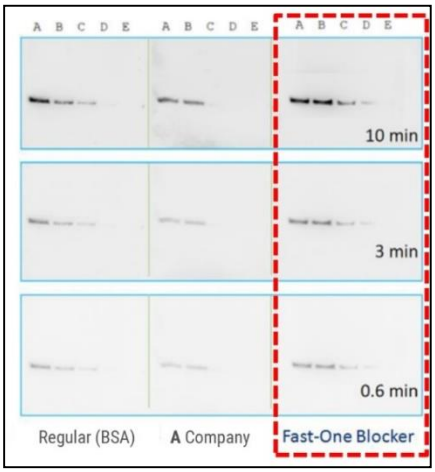
K562 cell lysate
A = 5 ug
B = 2.5 ug

As a result of the band detection, we were able to observe better sensitivity in the results using Fast-One Blocker, and confirmed reproducibility through repeated experiments. Despite the use of the same amount of sample (protein) and antibody, we were able to obtain more pronounced results, and we were able to conduct efficient experiments with shortened time (about 4 hrs → about 1.5 hrs).

◆Performance Comparison Tests of Third-Party Products Using Fast-One Blocker

Antibody		Dilution factor	Cell line
Primary antibody	Rabbit anti-β Actin	1 : 1,000	Human / HeLa cell line
Secondary antibody	Goat anti-Rabbit-HRP	1 : 20,000	

1° Ab (ab8227, abcam) : Rabbit anti-β Actin
2° Ab (ab205718, abcam) : Goat anti-mouse IgG-HRP



HeLa cell lysate
(ab150035, abcam)
A = 5ug
B = 2.5ug
C = 1.25ug
D = 0.625ug
E = 0.312ug

As a result of comparing the performance of other companies' products using Fast-One Blocker, we were able to observe better sensitivity and repeatability was confirmed through repeated experiments. Despite the use of a certain amount of sample (protein) and antibody, a clearer result was obtained, and the signal enhancing effect was also indirectly confirmed.

> We used the **Fast-One Blocker** to perform common experiments and performance comparison experiments. As a result of the band detection, we were able to observe better sensitivity in the results using Fast-One Blocker, and confirmed reproducibility through repeated experiments. Despite the use of the same amount of sample (protein) and antibody, we were able to obtain more pronounced results, and we were able to conduct efficient experiments with shortened time (**about 4 hrs → about 1.5 hrs**).