Product Information

Super ECL Prime

Catalog Number: S6008S, S6008M, S6008L

Product Size: 10 mL, 100 mL, 500 mL

Product content:

Components \ Size	S6008S（10mL）	S6008M（100mL）	S6008L（500mL）
Component A	5 mL	50 mL	250 mL
Component B	5 mL	50 mL	250 mL

Storage

Store at 4℃ and protect from light. When stored as directed. Expiration date marked on the outer packing.

Description

Super ECL Prime is a value-priced, entry-level horseradish peroxidase (HRP) substrate for enhanced chemiluminescence (ECL) that directly replaces costlier products without the need for reoptimize conditions.

Super ECL Prime provides reliability and performance equivalent to other standard ECL substrates for detection of HRP enzyme activity.Because the luminol and peroxide reagent formulations are identical to other commercially available substrate products, one can switch to Super ECL Prime without optimize probing conditions or incubation protocols.

Protocol

1. SDS-PAGE electrophoresis, membrane transfer and Western blot (The primary antibody was incubated for 1 hour or overnight at working dilution of 0.25-1 μg/mL , the secondary antibody was incubated for 30-60 minutes at working dilution of 0.1-0.2 μg/mL)were performed.

2. Mix Super ECL Prime Reagents A and B at a 1:1 ratio and add it to the blot.

Note: It is recommended to use the working solution immediately.

Note: For the best results,using the working solutions immediately afer mixing.

3. Remove blot from working solution and place it in a plastic sheet protector or clear plastic wrap. Use an absorbent tissue to remove excess liquid and to carefully press out any bubbles from between the blot and the membrane protector.

4. Place the protected membrane in a film cassette or imaging system with the protein side facing up,expose for 1 second to several minutes depending on the signal produced and image desired.

5. Develop film using appropriate developing solution and fixative. If signal is too intense, reduce exposure time or strip and re-probe the blot with decreased antibody concentrations.

Notes

1. The sensitivity of luminescent liquid exposed to strong light for a long time may be slightly reduced, which can be avoided when it is moved to dark room.

2. Long time exposure or excessive protein will deepen the

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background and make the change of stripe strength lose linear relationship, while insufficient exposure will blur the stripe.

3. The luminescent liquid is extremely sensitive, it is strongly recommended that dilute 1,000 to 4,000 times for most primary antibody and 5,000 to 10,000 times for most second antibody. High antibody concentration will cause high background or no band.

4. NaN_3 can inhibit the activity of HRP. The recovery of the second antibody should avoid the use of NaN_3. If necessary, it should not exceed 0.01%.

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