Super Excellent Chemiluminescent Substrate（ECL）Diagnostic Kit

Cat. No: E-IR-R308 **Size: 50 mL/ 100 mL/500 mL**

Cat	Products	50 mL	100 mL	500 mL	Storage
E-IR-R308A	Super ECL Substrate A	25 mL	50 mL	250 mL	2~8°C
E-IR-R308B	Super ECL Substrate B	25 mL	50 mL	250 mL	2~8°C
Manual			**One Copy**		

Introduction

Elabscience ® Super Excellent Chemiluminescent Substrate（ECL）Detection Kit is a horseradish peroxidase (HRP) substrate, which can be used to detect horseradish peroxidase (HRP) labeled proteins or nucleic acids, analyze protein content by Western blot or ELISA, and is compatible with film and digital development system. The special ingredients contained in this product can effectively reduce non-specific luminescence and background luminescence, even if exposed for a long time, the background is still extremely low.

The signal of this product decays slowly, and the luminescence is not significantly weakened after 30 min, and the luminous intensity can still reach about 70% of the highest luminous intensity after 120 min.

Instructions

1. Western Blot

1) Follow the step of Western Blotting to block the membrane and incubate the primary/secondary antibody.
2) Wash the membrane with TBST for 3 times, 5 min each time.
3) Prepare ECL Working Solution by mixing equal parts of the ECL Substrate A and ECL Substrate B.

Note: Prepare the working solution before use, and change the pipette tips during the suction process.

4) Take an appropriate amount of mixed ECL Working Solution and add it to the membrane.
5) Adjust the exposure time according to the intensity of the luminous intensity.

Storage

Store at 2~8°C for 12 months.

Cautions

1. Before using this product, the imprinting film must be thoroughly washed, otherwise it may cause the background to rise.
2. ECL Substrate A and ECL Substrate B must be prepared before use, and change the pipette tips during the suction process.
3. Do not expose ECL working solution to sunlight or strong light, otherwise it will cause its inactivation, and laboratory light will have little effect on the working solution.
4. NaN_3 inhibits HRP activity, NaN_3 should be avoided during the experiment.

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