Owi ECL RevelBlOt® Pico

Technical data sheet

Reference: 258499

FOR RESEARCH USE ONLY

SIZE: 250 ml (For 2500 cm² membrane, 2x 125 ml)

STORAGE TEMPERATURE: Room temperature

SHELF LIFE: one year upon receipt under the recommended conditions.

PRODUCT DESCRIPTION:

Owi ECL RevelBlOt® Pico is a chemiluminescent substrate for HRP. It enables the detection of membrane-immobilized antigens (Western blotting) with a sensitivity threshold in the picogram range.

QUICK-PROTOCOL:

Step 1	Step 2	Step 3
Protein separation by electrophoresis	Transfer to membrane	Blocking non-specific sites
Step 4	**Step 5**	**Step 6**
Incubation with the primary antibody specific to the antigen to be detected	First Membrane Wash	Membrane Incubation with HRP-Conjugated Secondary Antibody
Step 7	**Step 8**	**Step 9**
Second Membrane Wash	2 minutes Incubation with **Owi ECL RevelBlOt® Pico** working solution (50/50 solution A and solution B)	Exposure of the membrane to an X-ray sensitive film or use of an imager configured for the Western blot

Important: Proper dilution of the primary and secondary antibodies is essential to obtain high-quality results.
Primary antibody: under standard conditions, the dilution is between 1:500 and 1:5000 or 0.2-2 µg/ml.

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HRP conjugated secondary antibody: under standard conditions, for an HRP conjugated antibody at 1 mg/ml, the dilution is between 1:20,000 and 1:100,000 or 10 to 50 ng/ml.

OWI ECL REVELBLOT® PICO WORKING SOLUTION:

The working solution is prepared by mixing equal volumes of Luminol (A) and Peroxide (B). The working solution must fully cover the membrane. Under standard conditions, 0.1 ml of working solution covers 1 cm² of membrane. The working solution is stable for 8 hours at room temperature. Incubation can be carried out in daylight or in a normally lit room that is normally lit but it is important to keep it away from direct intense light. If the working solution is not used extemporaneously, store it in an opaque bottle.

COMPONENT(S):

2 x 125 ml

Solution A - 125 ml Luminol/Enhancer in a brown bottle

Solution B - 125 ml Peroxide Buffer in a Clear Bottle

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